

Leipzig Means Business 2021

INSEK Leipzig 2030: Strategic target vision, goals and key activities

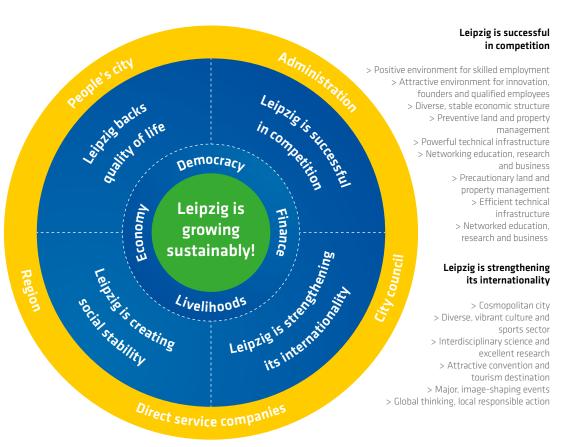
The Integrated Urban Development Concept Leipzig 2030 (INSEK Leipzig 2030) sets ambitious development goals for a sustainably growing Leipzig in four central fields of action within the coming decade. What makes this strategy paper so important is the fact that it was drawn up and honed in an intensive, multi-stage dialogue between the public administration, local politics and the general public.

Leipzig advocates

> Quality of life
> Balance between
densification and open spaces
> Quality in public spaces
and architecture
> Sustainable mobility
> Precautionary climate
and energy strategy
> Preservation and
improvement of
environmental quality
> Neighbourhood-based
cultural, sports and
leisure facilities

Leipzig is creating social stability

> Equal opportunities in the inclusive city > Community neighbourhood development > Affordable housing > Forward-looking childcare and schools > Lifelong learning > Safe city



Title photo: SAB Development Bank of Saxony

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Take a deep breath and carry on.

This is doubtless how many people and businesses felt in the second year of the pandemic. Many people never thought we'd even speak of a second year. However, the reality was different, and 2021 turned out to be the second turbulent, exhausting year in a row. But I still think that in the end we pulled through together quite well.

Leipzig remains a very dynamic city. With the coronavirus pandemic still exerting pressure on the self-employed and the private sector, we did what we could to devise new programmes to support SMEs. The expansion and digitalization of our schools clearly picked up speed, and at the same time we stayed on track with our investment and relocation strategy, and were delighted to reach new milestones. It was strenuous for all of us, but our successes and results are impressive.

This year marked the end of my term as President of the Association of German Cities. This was truly an exciting responsibility that was very close to my heart. It also gave me an insight into the circumstances of other German cities. I



must say that every location without exception has its challenges — and that Leipzig, one of the fastest-growing cities in Germany, is doing pretty well for itself.

The City of Leipzig is, for example, investing €600 million to upgrade roads and schools and even build fifteen new schools by 2025. Under the Digital Pact for Schools, we're directing additional millions in state funding to Leipzig and significantly strengthening the provision of our schools with computer equipment. We're also supporting our city centre and making it more attractive with innovative ideas and financial support of €1 million at a time when the shops and businesses there are under great pressure. And in 2022, we'll receive significant funding from the German government.

How is all this possible? Because we can rely on a strong, dedicated business community, and because the local authority, society and employers are all pulling together. This is apparent from the way the private sector continues to sponsor the arts, culture and sport. And it's also clear from how closely the administration and businesses think and act together.

I'm convinced that whatever we want to achieve, it can only be done in partnership. We can generate new impetus for an attractive city centre and modify the framework so that the actors there can fill it with life. We're opening new doors to markets and offering an outstanding environment for investments, enabling businesses to operate here successfully. The resulting tax revenue allows us to responsibly take our city forward in areas such as education, infrastructure, quality of life, and the preservation of cultural diversity. And when each and every one of us feels how amazing it is to play our part in this city as a shared place, we'll have achieved a great deal.

It's fortuitous for everyone that this is how Leipzig functions. Centuries ago, we were already a city with high public involvement — and this is still the same today. I'm not just thinking of all our famous lighthouse projects, but also all the precious things happening on a much smaller scale and which, taken together, make our life in Leipzig not only more worth living, but also more socially stable and supportive. Of course, our society needs money, too – but what ultimately holds it together is this mutual understanding. What's good for us all lasts a lot longer than the selfish "what's good for me". Society and the economy are siblings that need and reinforce each other. We intend to continue acting on the basis of this principle. For example, our new Climate Unit will support measures for an omnipresent responsibility that we all share. Other examples are the digitalization of the local authority so that it can offer Leipzig's residents and businesses modern services, and the development of St Matthew's Churchyard, a project in which we are consciously consulting the general public to reach a solution with maximum consensus. That's Leipzig - and you're a part of this whole. Allow me to thank you for your dedication to our wonderful city!

Burkhard Jung
Mayor of the City of Leipzig



Corona has lasting consequences - not just for humans, but also the economy.

As we all know, many sectors and industries were already under immense pressure. And then something came along that was unheard of: shortages. The microchip market was hit first. Because demand for laptops and other mobile devices had risen sharply among people working from home during the pandemic, computer chips grew scarce — including for the automotive industry. This was followed by supply bottlenecks for building materials and shipping containers, with businesses at the end of 2021 paying up to ten times the pre-pandemic rate for transportation.

Companies in Leipzig, too, had to dust themselves down, in some cases realign themselves, and respond to the changing market. Fortunately, they were able to rely on an Office for Economic Development that gives them the backing they need and supports them on the road to more innovation and stability. In addition, we're continuing with the focused strengthening of our city and its surroundings. And we're succeeding — because despite coronavirus, there's strong interest among the private sector in investing and even relocating here, even in these difficult times. After all, supporting local companies and encouraging investors to come here is our core business.

Leipzig's employers are the engine of our economy — and ultimately also sources of tax revenue for the necessary development of our city. That's why we stand shoulder to shoulder with them and, under the revised SME Support Programme, give them new impetus for sustainable growth, for stabilization in times of crisis, for secure business succession. In particular, we support especially innovative startups and help fully qualified tradespeople to set themselves up in business. We're making more than €2 million available for this purpose in 2021 and 2022. And we're also sending out a clear signal by providing higher subsidies

for investments in social and ecological sustainability.

Moreover, we're working flat out to further expand and improve existing areas and cluster hotspots to create even more space for suitable companies. For example, we've redeveloped Hans-Weigel-Strasse Industrial Estate, where 15 employers with 600 staff are currently operating and growing – and some of these firms have already announced new investments on the 30-hectare site. The planned expansion of the BioCity Campus will be a major venture. After the completion of the Life Science Hub in 2025, young biotech companies will move into office space, laboratories, workshops and conference rooms. In addition, our plan for a new TechPark is causing quite a stir. An initial investment of €30 million in the EnergyCity building could become an important step towards structural change. The TechPark was definitely one of the hot topics among visitors to our stand at the property trade show Expo Real in October. There's also a lot happening in North Leipzig, where our two automotive beacons BMW and Porsche are expanding their production capacities. The logistics district around Leipzig/ Halle Airport with companies like DHL, Amazon Air, Aerologic, momox, CEVA Logistics and DB Schenker is booming, prompting the airport to plan new investment totalling €500 million. We were delighted by Beiersdorf AG's decision to build not only a new factory in North Leipzig but also its own Central Europe Hub. This is Beiersdorf's largest investment to date at a single location anywhere in the world. And together with the airport, we're also developing the Radefelder Allee West Industrial Estate (100 hectares of pure potential!) to meet the high demand for further commercial and industrial sites.

But we're also addressing the city centre, which is suffering from the impact of not just the Covid pandemic but also online retail. We therefore set up a large support programme with a fund,

organized events such as Family Summer on Burgplatz, put forward digital ideas, and tabled plans for the redevelopment of Salzgässchen. For all of us, it's a matter of perseverance. Leipzig is in a good position, as confirmed by the recovery on the labour market in autumn 2021. And when coronavirus and the bottlenecks ease, this will give businesses in Leipzig an additional boost. Then it will be time for us to focus more strongly together again on a challenge that has sometimes been pushed into the background, and which we urgently need to tackle for ourselves and future generations: climate change. We're on the right course — so all hands on deck!

Clemens Schülke

Acting Head of the Department of Economic Affairs, Employment and Digital Transformation of the City of Leipzig and Head of the Office for Economic Development





Growth carousel continues

Growth isn't an end in itself. We want to create quality growth so that we can continue to live well in the future. For this we need adaptable, diverse urban structures, a functioning system of sustainability management, and mutual support.

Leipzig: A great city to live and work in

Quality of life for families: No. 2 in Europe

In October 2020, the European Commission published the results of what is now its sixth survey on the quality of life in 83 European cities and urban regions. Leipzig scored very well, especially in terms of inhabitants' satisfaction with their residential area, cultural facilities, green spaces and air quality. And Leipzig was voted the second-best city to live in for young families with children.

Fastest-growing German city

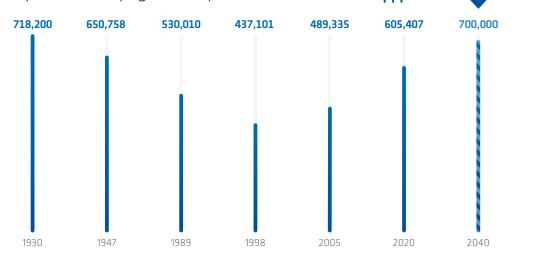
A recent study by the Berlin Institute for Population and Development found Leipzig to be the most rapidly growing city in Germany. Its population looks set to rise by 16 per cent between now and 2035, outstripping every other city in the country.

_ www.berlin-institut.org/ publikationen/studien.html

Long-term

700,000

Population of Leipzig over the years





116,072

more inhabitants since 2005



3,739

more inhabitants in 2020



6,468 children

born in Leipzig in 2020 Birth surplus: -86



42.4 years:

Leipzigers' average age



28%

of people in work have a college degree



Leipzigers are

friendly and obliging (online survey by Basel Institute of Commons and Economics)

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Business situation and expectations broadly improved

The economic situation in the regional economy has improved considerably in recent months. Both the business situation and the expectations of employers are pointing upwards and have reached their highest values since the beginning of the Covid-19 pandemic. The recovery is currently noticeable in all economic sectors. The Leipzig Chamber of Industry and Commerce's business climate index rose sharply by 25 to 126 points. Although there are still differences between sectors in the speed of economic recovery, the overall signs are clearly positive. As a result, the business confidence

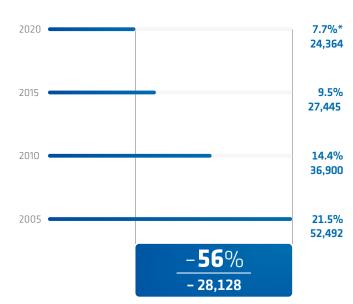
index increased by 30 to 38 percentage points and is thus much higher than the previous year's small interim peak. Companies' business expectations are also clearly on an upward trend. The business outlook index was up by 21 points to reach +15 and is already back at the pre-coronavirus level. Nevertheless, businesses are still struggling with a number of risks. Supply bottlenecks and the rising cost of raw materials, fuel, gas and electricity as well as the shortage of skilled workers are increasingly hampering economic revival.

Boost for the economy – 26,000 new jobs in just five years

Registered employees

2020 279,454 2015 253,463 2010 216,894 2005 +45% +87,421

Unemployment since 2005



Source: Federal Employment Agency, 31 December of each year Source: Federal

Source: Federal Employment Agency, 31 December of each year * Unemployment rate

Rising demand for staff

Given the much improved forecasts, the demand for staff is also rising again. More than a quarter of employers are planning to hire additional staff, and just 10 per cent expect to have to lay off employees, the balance rising by 10 to +17 percentage points. With staff needed in all economic sectors, furlough caused by the pandemic is set to decrease. However, employers in many sectors are already finding it very difficult to fill vacancies, especially in hospitality, construction, and the transport industry.

Investment on the rise

Although many companies' investment activities have been reduced to a minimum since the beginning of the coronavirus pandemic, investment looks likely to increase in line with the improved business outlook. The share of firms with increasing capital expenditure has climbed by 7 to 26 per cent, while the share with decreasing capital expenditure has declined from 16 to 12 per cent. The balance of 14 percentage points has already returned to the pre-crisis level of 14 points at the beginning of 2020.

Source: Economic survey by Leipzig Chamber of Industry and Commerce among 652 firms of all sizes in all sectors and with a total headcount of nearly 39,000, 6–24 September 2021

Government agencies give Leipzig a boost

Recently, the course has been set for important German federal authorities and the SAB Saxon Development Bank to relocate to Leipzig. The future profile of Leipzig as a centre of business and administration will thus extend far beyond modern industrial plants. The City of Leipzig welcomes every federal agency which decides to

move to Leipzig or elsewhere in central Germany as the national government gradually levels out the distribution of its institutions throughout the country. Even so, the fact remains that just one in ten federal agencies is located in eastern Germany.

SAB Saxon Development Bank

In mid-2021, the first 200 or so employees moved into the SAB Saxon Development Bank's new headquarters on Leipzig's Gerberstrasse. More than just an office building, SAB Forum is an ensemble contributing to local urban development and creating a public space for Leipzig. The location of the SAB's new head office in Leipzig and the Metropolitan Region of Central Germany supports the planned broadening of the bank's clientele and partner profile. Designed by the London-based architectural practice ACME, the new building will house up to 500 members of staff.

_ www.sab.sachsen.de



H2Global foundation founds hydrogen trader HINT.CO

On 5 November 2021, the Hydrogen Intermediary Network Company, or HINT.CO for short, was founded in Leipzig. Industry experts believe it will usher in a new era in European energy trading. HINT.CO is a company of the non-profit H2Global foundation, which is working towards the timely market ramp-up and import of green hydrogen and technologies for the storage of energy surpluses and other forms of usage. The foundation is supported by the German government's programme of the same name. HINT.CO will be an international

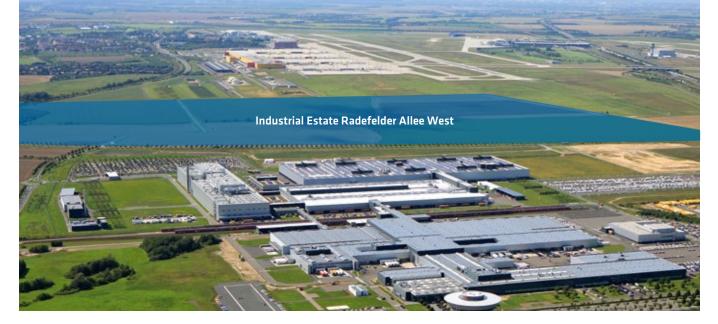
trader of green hydrogen and its derivatives. For the first time, it will bring together the supply and demand of green energy fuels produced abroad via a double auction mechanism involving the conclusion of long-term purchase contracts on the supply side and short-term resale contracts on the demand side. The German Ministry for Economic Affairs and Energy has agreed to balance out the differences between supply and demand prices. A budget of up to €900 million has been signed off for this under the national hydrogen strategy.

Federal Highway Administration

Leipzig is the headquarters of the restructured Federal Highway Administration, which opened in early 2021. So far, some 220 of the total of 420 staff have been recruited. Half of the employees work at the Leipzig site, the other half being divided among three other locations.

Agency for Disruptive Innovation

SPRIND – the German Agency for Disruptive Innovation – was founded in Leipzig in December 2019. The sole shareholder is the German government, represented by the Ministry of Education and Research and the Ministry for Economic Affairs and Energy. SPRIND fills a gap in the German innovation landscape: it identifies new, groundbreaking technologies for the major challenges of our time while ensuring that the economic activity of the resulting companies and industries remains in Germany and Europe. SPRIND is funded by the federal budget.



The development plan for Radefelder Allee West is currently being finalized.

Room for new beacons of industry in North Leipzig

Still a blind spot and at best a greenfield site 25 years, North Leipzig suddenly developed into a showcase industrial zone unparalleled in central Germany. Major brands such as BMW and Porsche opted to build factories in North Leipzig – a signal that was soon followed by

many other large, important medium-sized companies. DHL, Amazon, momox - the list of such beacons of business made Leipzig proud, but not complacent. Instead, the local authority is continuously developing North Leipzig by opening up new areas such as Seehausen

Industrial Estate, Stahmeln Business Park and Radefelder Allee West, and creating space there for all those who need it - for tomorrow's beacons of industry big and small.

Seehausen 2 Industrial Estate: Development within just 11 months

The development of Seehausen 2 Industrial Estate was completed in only eleven months instead of the planned twelve. Works included the 3-hectare rainwater retention basin with a capacity of 95,000 cubic metres. Pipes with a total length of 4.2 kilometres were laid for various utilities. In addition, compensatory areas were created on 15 hectares of land, including the oak and hornbeam forest to the west with about 42,500 seedlings.

Stahmeln Industrial Estate: Nestling in the surrounding countryside

The modern Stahmeln Industrial Estate is being built to the south-east of Porsche's car plant. It has a size of 54 hectares and benefits from the local infrastructure. The revised development plan, the urban development agreement, and the planning application were processed simultaneously in next to no time. The first success is the construction of a battery plant for Dräxlmaier. The two remaining large plots are currently being prepared for other investors.

Radefelder Allee West: 100 hectares of the future in a prime location

Owing to the high demand for more commercial and industrial space, the City of Leipzig has teamed up with Leipzig/Halle Airport to plan the largest contiguous business park in Saxony. It consists of 100 hectares of pure potential for large-scale industrial investment at a premium location between Porsche and the airport. The Radefelder Allee West development plan is currently being finalized.

2010-2015 BMW > 2nd plant expansion | Porsche > 2nd plant expansion | Dräxlmaier, Hendricks, Faurecia | Schnellecke, Magna etc. I CKD-Logistik (DB Schenker) I



2005-2010

DHL Air Cargo Hub | Porsche > Plant expansion | BMW > Plant expansion | Future Electronics



The access road built specially for Beiersdorf's new production plant was officially opened on 25 June 2021.

Powerful investment projects

New production plant for Beiersdorf

The City of Leipzig is investing €3.3 million and the Free State of Saxony another €5.7 million to prepare the 55-hectare Seehausen 2 Industrial Estate for future investors. One of the first successes is the erection of a new factory for Beiersdorf AG, a major manufacturer of cosmetics and body care products. The company is also planning to build a state-of-the-art logistics hub to serve the European market on an adjacent 12-hectare plot. All in all, Beiersdorf will create about 200 new jobs in the factory and employ another 400 people in its hub.

Deutsche Aircraft builds plane factory

The construction of aircraft in Leipzig will soon become reality. Deutsche Aircraft GmbH has submitted a planning application for a large industrial unit for the final assembly of its new D328eco starting in 2025. Construction work on the assembly plant on the site of Leipzig/Halle Airport will start in 2022, paving the way for 300 new jobs. The short-haul aircraft with 43 seats

is based on the legendary Dornier 328, which was built in Pfaffenhofen from 1993 until 2008, and was the last aircraft to be developed and built entirely in Germany by the Daimler Group.

Dräxlmaier invests in e-mobility

Electromobility is booming. This is clearly apparent from Dräxlmaier's state-of-the-art battery plant being built by Metawerk AG in Stahmeln Business Park. Following the completion of this 12-month construction project, 180 new jobs will be created in an innovative working environment. Dräxlmaier has been in Leipzig since 2004, producing interior and electrical systems for a premium sports car manufacturer at its existing plant.

Porsche begins fifth expansion phase in Leipzig

Porsche and Leipzig are a success story. The sports car manufacturer is now investing €600 million in the fifth expansion of its Leipzig plant. The next generation of the Macan, which will be

launched as a fully electric series, will be built on a total area of 75,500 square metres.

BMW makes battery modules in Leipzig

In 2021, the BMW Group's plant in Leipzig began making battery modules for the high-voltage batteries required by electric vehicles. Anticipating increasing sales of electric cars, BMW will be investing over €100 million in its Leipzig operation by 2022.

Amazon Air starts operations at Leipzig/Halle Airport

In November 2020, Amazon Air opened its first regional air freight centre in Europe. Parcels are sorted, and lorries and aircraft are loaded and unloaded in the logistics company's cargo facility 20,000 square metres in size. At its air freight centre, Amazon Air is creating around 800 jobs in the region, adding to the 1,500 existing Amazon jobs in Leipzig.

From 2021

DräxImaier invests in e-mobility I BMW starts making the successor to the MINI Countryman I Deutsche Aircraft builds aircraft factory I Beiersdorf builds logistics hub for the EU market I Leipzig/Halle Airport invests €500 million I CEVA Logistics builds extension



Beiersdorf > New construction plant I

BMW builds battery modules I Porsche > Start of 5th expansion phase I

AeroLogic > Fleet expansion I Amazon Air > Goes into operation I

Pharmaceutical logistics hub I USM Haller

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Space for unique ideas

Leipzig has always prided itself as being a place for free spirits, experimenters and courageous souls. Whether they're interests lie in biotech, research spin-offs, video games or new working models, there's a place for them all in this city!



New Work Neighbourhood

Pavilion 12 becomes an innovation centre

Once Pavilion 12 at the Technical Fair, revitalizing this listed building began with the challenging conversion of the north-east section for the long-term requirements of the municipal archive, which was completed in October 2019. Now the conversion of the south-west section is underway. Turning it into an innovation centre makes perfect sense given the continuing success story of BIO CITY LEIPZIG and BioCube directly opposite. Both institutions will shortly need additional space for new investments and spin-offs from Leipzig University and the IZI Fraunhofer Institute for Cell Therapy and Immunology. Most of the remains of the pavilion were demolished in mid-2020, allowing the new innovation centre to be built behind its historical walls.

Leipzig's economy is becoming increasingly flexible. With this in mind, property management company IVG der ver.di mbH Berlin plans to develop New Work Neighbourhood ('Quartier Neuer Arbeit') on the 1.3-hectare site behind Volkshaus. This name links the site's history to the future of work in the age of digitalization. The desire for more spatial and temporal flexibility at work has led to new demands on workspaces. New Work Neighbourhood between Karl-Liebknecht-Strasse and Audorfstrasse will respond

to the desire for a healthy balance between work, leisure, recreation and family with family-friendly and sociocultural offerings as well as a workplace with housing and shopping nearby. Therefore, in addition to various workspaces, New Work Neighbourhood will also include retail outlets, restaurants and bars, event venues, temporary accommodation, a sports centre, and a preschool facility. The details are to be worked out in an urban planning competition held by IVG of ver.di.



Gaming House to open in 2022

Christopher Siebenhüner and Tom Potutschek, the two people behind Gaming House, have a clear objective. They want to make Ritterstrasse 42 – R42 for short – the central port of call for startups, founders and gaming enthusiasts, and inject even more life into the city centre. Their project centres on a programme that aims to provide startups with sustainable support for their development. In addition to a modern working environment, the programme includes business coaching and the use of the building infrastructure. Furthermore, live broadcasts and the staging of events will also be possible. There will be a professional studio area available to startups and partners which can be used to record high-quality media. With the games industry booming for years and the startup scene also growing rapidly. R42 is intended to build on these two trends. It's scheduled to open in summer 2022.

Finding a replacement for the lignite era

By proclaiming the energy transition, Germany has set itself the ambitious aim of fundamentally transforming its energy supply from fossil fuels to renewable forms of energy. However, this cannot succeed without structural change and repercussions for the businesses, local authorities and inhabitants concerned. In order to make this change positive, new prospects for economic growth and employment in the post-lignite era need to be devised and implemented. For precisely this reason, seven districts and two cities in Saxony, Thuringia and Saxony-Anhalt have joined forces in the Central German Innovation Region. They intend to identify new

prospects for the region and work together for structural transformation in the central German lignite field.

www.innovationsregion-mitteldeutschland.com

At the same time, the federal states have pledged to invest about €14 billion in Germany's coalfields by 2038. This includes €1.12 billion earmarked for the part of the central German lignite field lying in Saxony. The funding guidelines have been finalized, the committees established, and the first schemes are already being carried out. The main aims are to create jobs and improve the area's attractiveness to business.

_ www.strukturentwicklung.sachsen.de

Subsidies for the Leipzig region from 2020 until 2026



Projects taking shape in Leipzig

Natural History Museum: New premises, new future

Leipzig's Natural History Museum is of national importance as a municipal archive of biodiversity, a memory of unique scientific history, and a central institution of science education. Accordingly, it needs to display its internationally significant holdings in a fitting, contemporary manner. In addition, it needs to increase its stock – both exhibits and other items kept in storage - and also requires innovative display concepts as well as education and outreach programmes. For these reasons, the Natural History Museum is cooperating with the iDiv German Centre for Integrative Biodiversity Research, the UFZ Helmholtz Centre for Environmental Research, and the Senckenberg Natural History Collections in Dresden. And since the current space of the Natural History Museum is limited, the former bowling alley on Wilhelm-Leuschner-Platz is being redeveloped as the museum's new home.

Two new bridges

The City Harbour and the Natural History Museum are growing together thanks to the new Elster and Poniatowski bridges spanning the Elster millrace, which has now been completely opened. This completes the aquatic projects enhancing this residential district, allowing Water Tourism Trail 3 (City Harbour to Lake Aue and then on towards Halle) to be used. In addition to new jobs in tourism, other jobs in the maintenance and management of Leipzig's waterways will be secured. Local residents will also benefit from the positive impact of the new waterway on the microclimate.

St George's Hospital plans training centre for nursing staff

The need for highly trained medical personnel is set to grow fast in the coming years. St George's Hospital is responding to this by relocating the vocational centre on its hospital grounds. The 40-year-old prefab currently used by the vocational school for healthcare professions and the associated further training centre of St George's Hospital is about to burst at the seams as far more nursing staff will have to be trained to meet the challenges of an ageing society. Therefore, House 6 is to be refurbished and completely modernized to accommodate the training facilities. The advantages are obvious: significantly more space, better suitability for teaching, closer proximity to the hospital, and more flexible, attractive learning. The sum of €200 million has been budgeted for this project until 2027.



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- Site area: About 130,000 square metres of unpaved, undeveloped land (three zones)
- Legally binding development plan for a business park
- Potential: 180,000 square metres of usable floor space (gross floor area)
- Usage: Commercial, production, administration, research, development, technology
- _ Site occupancy ratio: 0.6
- Building heights: 10–15 metres (Zone III), 5–10 metres (Zones I + II)
- Utility connections: Partly available
- Location: Close to city centre and science park
- Soil contamination: None known
- **Owner:** City of Leipzig

Structural change: Future projects

Office for Economic Development seeks investors for EnergyCity Campus

The Office for Economic Development is planning a new technology park within sight of the buildings of the UFZ Helmholtz Centre for Environmental Research, the DBFZ German Biomass Research Centre, and VNG AG. To be known as EnergyCity Campus, it will comprise 13 hectares of commercial land in north-east Leipzig with excellent transport links and a legally binding development plan. The site has potential floor space of

200,000 square metres. The R&D Zone with its future offices, laboratories and test facilities is intended to provide a suitable home for institutes and technology companies addressing sunrise industries such as green energy, the environment and the climate/sustainability. The Production Zone offers investment opportunities to technical service providers and commercial laboratories as well as spin-offs and startups.

Tech Campus for disruptive Innovation

EnergyCity (working title)

The innovation centre is being developed with funding for structural change.

CO₂ mitigation,

biodiversity, urban greening, bioeconomy, CO₂ as a recyclable material, sustainable mobility, big data and AI, digitalization and critical infrastructure, water management, green gases, second life, building adaptation, bioplastics, climate impact adaptation, alternative fuels, H₂, raw material efficiency

Research

Development

Networks

Testing

Application

Total areas of zones: 104,800 square metres

Zone I: 33,300 square metresZone II: 25,900 square metresZone III: 45,600 square metres



Structural change: Major research centre for Leipzig

Transformation process in lignite regions

The areas once dominated by lignite mining need new prospects. To this end, the Coal Regions Structural Development Act was adopted by the German government for those coalfields affected by the coal and lignite phase-out. One of the things provided for by the law is the establishment of a new, institutionally funded major research centre in the Lusatian district of Saxony and the central German lignite field following a competitive process started in November 2020. In July 2021, the first funding phase was launched with the selection of the six most promising applications. The authors of these six proposals were then given six months to develop their ideas into viable concepts

for large research centres that can be quickly built. In return, they will qualify for funding of up to €500,000. The concepts devised in the first funding phase will be reviewed by external scientists. On this basis, the German government and the respective federal state will decide on the funding of the two best proposals, the implementation of which will begin in summer 2022. The legal foundation and subsequent institutional funding will be prepared during this three-year start-up phase. If necessary, the start-up phase can be extended by another three years. The German government will provide €1.25 billion for each centre under the Coal Regions Structural Development Act until 2038.

The following applications have reached the first funding phase:

- Chemresilienz Research Factory in the Central German Mining District
- German Centre for Astrophysics
- European Research Institute for Space Resources
- _Lab Lausitz Art of Building

Two promising draft proposals from Leipzig – CMI and CLAIRE – have been selected for the competition for the major research centre in the central German lignite field entitled 'Knowledge Creates Prospects for the Region!' organized by the German Ministry of Education and Research and the Free State of Saxony.

CMI: Center for Medicine Innovation

The goal of the CMI is to use flexible structures to develop digital value chains and technology for personalized therapies. The aim is to transform of the central German lignite field into a high-tech region for health research. To achieve this, the CMI relies on various core technologies: artificial intelligence and big data, software-based drug modelling, cell and gene therapies, and smart networked medical technology systems. They are intended to help initiate a fundamental change in healthcare and provide an efficient structure for smooth translation and transfer from basic research to application.

_ www.medicine-innovation.org



CLAIRE: Centre for Climate Action and Innovation - Research & Engineering

CLAIRE develops scientifically based system solutions for climate protection and climate adaptation. The basis for this is provided by novel digital data spaces and real-lab systems jointly operated by researchers, the private sector, relevant authorities and civil society in the central German lignite field and Lusatia. They support the regional transformation processes towards a carbon-neutral, climateresilient society and thus create attractive innovation clusters with sustainable value creation. In addition, the newly founded Leipzig

School for Climate Innovation will provide interdisciplinary training with a focus on climate entrepreneurship. The UFZ Helmholtz Centre for Environmental Research is the applicant behind the CLAIRE proposal and heads a consortium of 14 prestigious scientific institutions (11 of them from the region): the IMW Fraunhofer Centre for International Management and Knowledge Economy in Leipzig, the iDiv German Centre for Integrative Biodiversity Research in Leipzig, Halle and Jena, Leipzig University, Dresden University of Technology, Martin Luther

University Halle—Wittenberg, HHL Leipzig Graduate School of Management, the DBFZ German Biomass Research Centre in Leipzig, the Leibniz Institute for Tropospheric Research, the Leibniz Institute of Plant Genetics and Crop Plant Research in Gatersleben, the Leibniz Institute of Plant Biochemistry in Halle, the Potsdam Institute for Climate Impact Research, the Leibniz Centre for Agricultural Landscape Research in Müncheberg, and the Max Planck Institute for Biogeochemistry in Jena.

_ www.ufz.de/claire

Growing Leipzig fortified by new startups

Ideal conditions for startups

Leipzig has a host of successful startups, founder-relevant actors and event formats. The city is currently attracting many founders from elsewhere because of its high quality of life and relatively low overheads. Numerous incubators and coworking spaces offer founders business premises, expertise and dialogue on floorspace totalling several hectares.

Leipzig attracts founders

Leipzig is experiencing a new wave of startups with an estimated 200–250 currently operating in the city. Whereas startups in Leipzig initially focused on e-commerce (one example being Spreadshirt, now 1,000-strong), later on they spread to areas like big data (e.g. DataVirtuality, Webdata Solutions,

Apiomat, Solution Engine) as well as aspects of infrastructure such as energy (e. g. Energy2market, Rhebo, SENEC/Deutsche Energieversorgung) and mobility (nextbike, Flynex, busnetworx). In the life sciences, healthcare and biomedical engineering, companies like futalis and PHACON have become established players.

Leipzig is more successful than any other location in eastern Germany at attracting startups from elsewhere. They either open branches there (e.g. trivago, CHECK24, Verivox, SelfDiagnostics) or even relocate lock, stock and barrel to Leipzig (e.g. DIPAT, QLX, Sensape, replex, food.de, Wundercurves, SelfID Technologies). Leipzig is Germany's digital hub focusing on smart infrastructure.



Basislager

- _ **270** new jobs
- **_ 88** startups over the past 5 years

SMILE - the founding initiative

- **_ 600** startups in 15 years
- _ More than **840** founders
- _ Seed capital raised totalling €47m

HHL Leipzig Graduate School of Management

- _ **40,000** new jobs
- **_ 350** startups in the last 19 years
- _ 44 in Leipzig with about 920 employees
- **_ 5** unicorns (trivago, Auto1, AboutYou, DeliveryHero and IONIQ)

Social Impact Lab

_ 133 startups supported in 7 years

SpinLab - The HHL Accelerator

- _ 91 startups supported
- _ 37 new firms and branches in Leipzig
- _ Over **920** new jobs
- _4 exits

ugb business start-up centre

- _ **9,921** new jobs
- _ **6,898** startups in 21 years



Brochure: 'Neue Gründerzeit in Leipzig' ('New Wave of Startups in Leipzig')





Sustainable mobility

Functioning mobility means quality of life and is an important basis for Leipzig's further economic development. The challenge is to further develop the finite space of the transport infrastructure in order to gradually increase green, efficient mobility.

Upgraded transport: Highways for investors

Leipzig began flourishing 850 years ago at the crossroads of two great continental trade routes, the east—west Via Regia and the north—south Via Imperii. Leipzig's growth was shaped by the flows of goods, people and ideas intersecting there. Nowadays, in the early twenty-first century, far-sightedly upgraded roads, railways and air routes are tapping the enormous potential leveraged by Leipzig within the expanded European Union. Efficient transport links and the seamless networking of individual modes of transport are two of the key factors behind the thriving economic development of the entire region.



- **2020** Leipzig/Halle Airport: Dynamic growth in air freight handling up by 11.7 per cent
 - The airport plans to invest hundreds of millions of euros in new aprons as well as the construction of logistics and office buildings
 - Amazon opens its first European regional air cargo centre at Leipzig/ Halle Airport (November)
- **2019** _ Freight airline CargoLogic Germany starts operating out of Leipzig/Halle Airport
 - Volga-Dnepr Group and Leipzig/ Halle Airport sign memorandum of understanding to forge a long-term partnership, creating up to 500 new jobs
 - When the timetables change in December 2019, the MDV Central German Transport Association expand northwards to include Dessau and Lutherstadt Wittenberg
 - Deutsche Bahn's largest construction project in Leipzig is the rebuilding of three river bridges spanning the

7 good reasons for Leipzig

- **1** Intersection of trans-European transport axes
- 2 Air freight hub operating 24/7
- **3** Integrated into the hinterland transport of Germany's international ports
- **4** 1 hour to Berlin, 3 hours to Hamburg, Frankfurt or Munich by Intercity-Express
- **5** Fully improved orbital motorway
- **6** Centre of the Central German railway network
- **7** Excellent IT infrastructure, 5G cellular network in preparation

Luppe, Weisse Elster and Nahle in northwest Leipzig. Building work over a total length of 1.9 kilometres will continue until spring 2022 while keeping trains moving. When completed, trains will race along the new route at a speed of 120 km/h.





10,800 employees



112

companies at the airport



1.38

million tonnes of air freight handled



Fourthbiggest

cargo hub in Europe

Leipzig/Halle Airport: Freight millionaire

Trimodal benefits of Leipzig/Halle Airport

Leipzig/Halle Airport has a wide range of outstanding advantages:

- Two separate 3,600m runways for worldwide non-stop services with no payload restrictions
- Optimum flexibility thanks to 24-hour operation for cargo flights
- _ Ample capacity with no slot restrictions
- Excellent transport links (road, rail and air)
- _ Daily rail freight services to major European ports
- Frequent passenger connections to international hubs and other European cities
- _ Vacant development plots

DHL's biggest air freight hub continues to grow

Since 2008, DHL has used Leipzig/Halle Airport as its European hub with some 60 flights landing daily. Investments to expand its hub totalling €230 million have increased its capacity by around 50 per cent to 150,000 express consignments per hour. All in all, DHL currently employs over 6,000 people there. Including the costs of expansion, DHL Express has invested a total of €655 million in its air freight hub in Leipzig.

One of Europe's top cargo airports

In 2020, 1.38 million tonnes of air freight was recorded at Leipzig/Halle Airport. This makes it the second-largest cargo airport in Germany. Being Europe's fourth-largest freight hub and a dynamically growing transhipment centre for all kinds of air cargo, Leipzig/Halle Airport is a central element of Germany's air traffic infrastructure and the key driver of the economic region of central Germany with its major logistics industry.

World Cargo Center:

Networked with the global economy

- Ideal conditions for logistics contractors
- _ Direct access to the apron
- Refrigeration unit for the parallel storage of pharmaceutical items, perishable goods, and temperature-sensitive articles
- _35,325 sq. m in size
- Annual handling capacity of 200,000 tonnes
- _38 loading bays
- Parking for 171 lorries
- 3,400 sq. m of office space directly connected to the warehouse

Safe transport routes for pharmaceuticals

PortGround GmbH, a subsidiary of Mitteldeutsche Flughafen AG, has CEIV pharmaceutical certification. This means the company can handle temperature- and time-critical pharmaceutical shipments like vaccines and medicines around the clock.

Planned expansion: Ideal conditions for investors

There's still plenty of land available at and around Leipzig/Halle Airport, offering ideal conditions for businesses operating in aviation and logistics.



Central location means rapid access

Leipzig's central location in the network of trans-European transport corridors creates measurable advantages for the rapid accessibility of the city and its networking with other industries and regions nearby and further afield.

Keeping the growing city moving

Day and night, private and commercial traffic, delivery vehicles serving the city centre, and long-distance transport all come together on Leipzig's road network with a combined length of some 1,700 kilometres. Making optimum use of the noticeably shrinking transport area of the growing city with the investments available as well as devising well thought-out organizational measures for the transport network poses enormous challenges for traffic and town planners. Complex, tightly scheduled road construction projects coordinated between the City of Leipzig, the public transport operator and the waterworks are showing results. In front of Leipzig Central Station, the third zebra crossing between the tram and bus stops and the middle section of the railway station contributes to the restructuring of road traffic. And following the completion of Plagwitz Bridge in the west of the city, since early summer 2020 transport works have concentrated on the important array of tram stops on Goerdelerring. Moreover, preparations are now underway for the complete renewal of the public transport hub in connection with the double bridge on Georg-Schwarz-Strasse over the coming years. The basis of all these projects is the local transport plan, which - based on six alternative scenarios was intensely debated by the city council's technical



committees and the general public before being adopted. Meanwhile, citing sound analyses and traffic censuses, the city's business chambers are calling for the completion of the orbital system of key roads in Leipzig to keep up with the rising demands of commercial traffic in the growing city.

LVB: Securing sustainable for mobility

As the mobility provider for Leipzig and the region, LVB takes millions of passengers to their destinations every year. With its dense, interconnected tram and bus network, new on-demand services, and specially tailored products, it offers the general public safe and particularly sustainable mobility — with 100 per cent green electricity. New digital services empower customers to hire bicycles, cars and e-scooters as well as book taxi rides. With its new electric buses, LVB is embracing electromobility in the bus sector and thus shaping Leipzig's future in a sustainable, liveable way.

_ www.L.de/verkehrsbetriebe



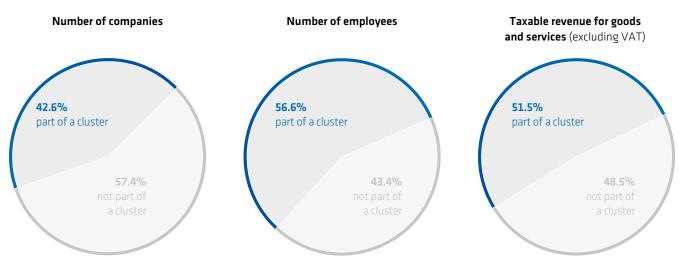


Modern mix of industries

Leipzig's economic strength forms the basis of its sustainable growth. Only a crisis-proof economic structure and more skilled jobs can secure the scope necessary for development and ensure the increasing revenue required if the city is to carry out urgently needed additional investment in public services and improve income levels for the population.

Five convincing clusters

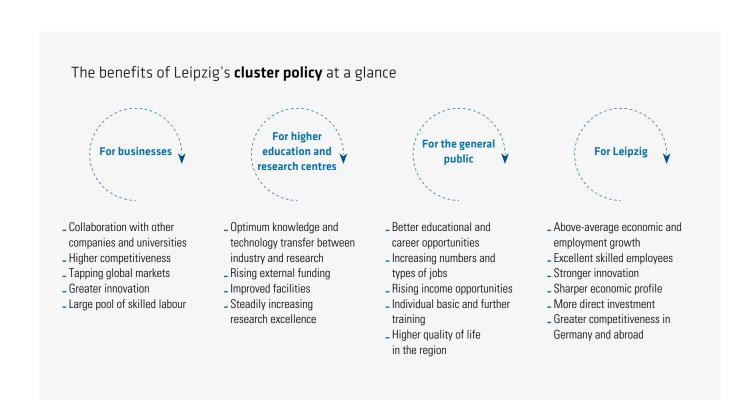
Under the motto 'strengthening the strengths', emphasis is placed on five high-growth sectors whose basic structures are already satisfactorily developed. Well-structured businesses exploiting their own particular niches working cheek by jowl with R&D ideas factories constitute nodes of a whole series of networks. The Office for Economic Development is carrying out a wide range of cluster development activities to boost Leipzig's economy in the medium term as effectively as possible.



Sources: Saxon Department of Statistics, Leipzig Office for Statistics and Elections, calculations by Leipzig Office for Economic Development, cluster assignment of companies based on WZ 2008 (German Classification of Economic Activities)

Leipzig's economic strategy is to back five selected industries with a bright future:

Automotive & Suppliers | Healthcare & Biotech Energy & Environment | Logistics | IT, Media & Creative Industries



23

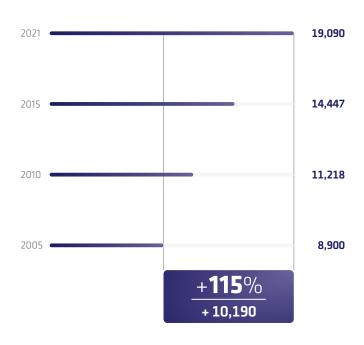
Automotive & Suppliers

The Automotive & Suppliers Cluster may be one of the youngest in Leipzig – yet it's also been one of the most influential ever since Porsche's decision in 1999 to build an assembly plant for the Cayenne in Leipzig. This was followed just two years later by BMW choosing Leipzig for its new production plant for 3 Series compact executive cars. In the meantime, more and more OEMs have followed suit. The presence of Porsche and BMW, two of the world's premium car brands, has done wonders for Leipzig's reputation on the global market.

7 good reasons for Leipzig

- Two major integrated car plants owned by world-famous carmakers
- **2** Expertise in the e-mobility sector thanks to BMW and Porsche
- **3** Integrated into global production networks
- 4 Just-in-time and just-in-sequence connection of medium-sized suppliers
- **5** Redundant connection of factory sites to the trans-European motorway network
- **6** Developed plots available near the car plants for additional suppliers
- 7 Coordinated network activities

Registered employees*



^{*} Businesses and single-location businesses with registered employees subject to social security two years prior to the year under review and single-location businesses with no employees but with taxable revenue from products and services two years prior to the year under review in Sections B—N and P—S of WZ 2008.

Source: Leipzig Office for Statistics and Elections, calculations by Leipzig Office for Economic Development



- **2023** _ Successor to the MINI Countryman to go into production
- **2021** _ 3 millionth BMW from Leipzig; battery module production begins
- **2020** _ Porsche: Assembly plant upgraded for electric motors | Rapid-charging park opens
- **2019 _** Expansion of BMW's paint shop
 - Construction work begins on the fifth expansion of Porsche's car plant (bodywork for the next-generation of the Macan)
 - _ AKKA, the European engineering and technology consulting group, opens its digital centre of excellence in Leipzig
- **2018** _ BMW starts its latest plant expansion (completed in 2020)

Powerful networks in the Leipzig region

- _ ACOD Automotive Cluster for East Germany
- _ AMZ Automotive Suppliers Network Saxony
- _ AMZK Automotive Suppliers Plastics Network in Saxony
- _ Leipzig Foundry Network

More charging stations for e-bikes

E-bikes are booming — including in Leipzig. Tourists riding to sights, parks and other places on electrically assisted bicycles need public charging stations. So far, however, charging stations can only be found at two locations near shopping centres. The Office for Economic Development now wants to close this gap with the help of subsidies. New charging stations are to be installed at places attracting large numbers of visitors such as Leipzig Zoo and the Leipziger Messe exhibition centre, which are the first recipients of funding under the project Funding for E-Bike Charging Stations. The Office for Economic Development is keen to ensure high user-friendliness by means of theft-proof parking spaces, weatherproof charging stations, and lockers for charging long rechargeable batteries.

_ www.leipzig.de



Future Parking

In the project Future Parking, a new high-tech system for multistorey car parks based on mobile sensors for wireless indoor localization is being trialled by Dresden University of Technology (Chair of IT for Transport Systems) along with companies from Leipzig, Dresden and Chemnitz as well as AMZ Saxony. Available as a full system or an upgrade, it enables the smart management of multistorey car parks, including the letting of parking spaces, the implementation of micro-hubs for city centre logistics, and support for self-driving cars. Leipzig Office for Economic Development is providing technology funding and wage subsidies for the project, supplementing the grant from Saxony's reconstruction bank SAB. The Office for Economic Development commissioned a related study entitled Business Model Development by HTWK Leipzig University of Applied Sciences and supported public relations work by funding both the project's website and an explanatory film targeted at investors. Moreover, after liaising with municipal business park developer LGH, the Office for Economic Development enabled Future Parking technology to be tested at the multistorey car park on Giesserstrasse.

_ www.future-parking.de

ACOD Congress and Central German Logistics Forum 2021: From 'electric first' to 'electric only'

The ACOD Congress and the Central German Logistics Forum focused on the transformation of the automotive industry. Electromobility, the increasing flexibilization of production and logistics, and the future of work were debated by 160 leading industry representatives. Their unanimous conclusion was that climate change and the energy transition make holistic solutions for the value chain vital — otherwise, the sustainable transformation of the automotive industry will be impossible. The crucial factor isn't when but how. Carmakers in eastern Germany are tackling ambitious aims. They're determined to drive the switch to carbon-neutral production throughout the value chain by changing their strategy from 'electric first' to 'electric only' — a move which hinges on closer networking. This is a major challenge for suppliers, not least in the area of human resources, for all value chains are affected by the shortage of skilled workers. Therefore, one of the most important tasks facing manufacturers and their plant executives is to help consolidate their operating locations to make them more attractive.

Project ABSOLUT

In North Leipzig Industry Park, automatic e-shuttle buses run by local transport company LVB will soon be in operation 24/7. The destinations of this shuttle-on-demand include DB Schenker, BMW's Leipzig plant and the Leipziger Messe exhibition centre. The

project has received €10 million in funding from the German Ministry for Economic Affairs and Energy to enable the partners to build up their resources in the areas of digitalization, automated driving, and vehicle development.

_ www.absolut-projekt.de

Contact

City of Leipzig Office for Economic Development Location Development/Marketing Sebastian Kratsch Tel: +49 (0)341123 5853 Email: thomas.lingk@leipzig.de



4,300 employees



550 per day (max.)



120 apprentices in three professions

Porsche in Leipzig prepares for e-mobility

The Porsche site in Saxony is investing in the training of future and existing skilled workers. The new extension of its training centre (which originally opened in 2017) was opened just in time for the start of the new training year, and more than 120 apprentices are now laying the foundations for their professional future there. The



curriculum is constantly updated to keep in step with the changing automotive industry. One topic high up on the agenda, both for apprentices and for in-service training for the rest of the workforce, is electric vehicles — in fact, Porsche's Leipzig plant is currently transforming itself into a centre of excellence for electromobility. From 2023 onwards, the next generation of the Macan compact SUV will be produced as a purely electric series. In 2020, more than 101,000 Porsche Macans and Panameras rolled off the assembly line in Leipzig.

Award for sustainability

Production at the Porsche plant in Leipzig has been carbon-neutral since 2021. It recently received the prestigious Lean & Green Management Award for its highly successful lean management approaches in conjunction with environmental and sustainability aspects.

NZWL Leipzig on the road to success

Neue ZWL Zahnradwerk Leipzig GmbH significantly improved its profitability by restructuring the entire group with retroactive effect from 1 January 2021. Despite Covid-19, orders from Volkswagen for hybrid drive systems also rose strongly. And NZWL's successful course is continuing thanks to the Premium Platform Electric, on which all electric Volkswagens and Audis in the mid to luxury class are in future to be based. The share of sales in the electric/hybrid drive segment

rose to about 12 per cent in the first half of 2021 due to strong demand — a figure which the NZWL Group plans to increase in 2022. Outside the passenger car sector, the NZWL Group also secured new orders for a modular construction platform in the commercial vehicle sector. To this end, the group will be producing shafts and wheels as well as power take-offs for new generations of engines and transmissions for combustion engines as well as hybrid and electric drives.

_ www.nzwl.de



GF Casting Solutions

GF Casting Solutions Leipzig GmbH, a foundry owned by the Swiss GF Casting Solutions AG (a division of Georg Fischer AG) is doing brisk business. At the biggest automatic moulding plant in Europe, some 300 members of staff produce cast components weighing from 70kg to 1,200kg. They're used in construction machinery, forestry and agriculture, commercial vehicles, and general engineering. To keep finding the right solution for its clients in Germany and abroad more efficiently, 3D printing has also been used since 2018. Prototype and batch production is assisted by the Innovation Centre for Additive Manufacturing. GF Casting Solutions is also securing its long-term future by tapping new business segments such as solar thermal energy. By consistently focusing on supply chain sustainability, processes, materials and the further development of its employees, GF is both a solutions provider and an attractive employer in the region.

_ www.gfcs.com







per day (max.)

1,100



Over €3bn invested

BMW celebrates 20 years in Leipzig with strategic realignment

It was twenty years ago that the BMW Group first decided to build a car plant in Leipzig. Since then, it has invested over €3 billion and built more than three million cars there. The year 2021 saw the strategic realignment of the factory's production. In future, only models based on the BMW Group's modern frontwheel drive architecture will be built there. Currently, this means the BMW 1 Series, the BMW 2 Series Gran Coupé, and the BMW 2 Series Active Tourer, the second generation of which was launched in November. They'll be joined from 2023 by the successor to the MINI Countryman, with customers choosing between an internal combustion engine and an electric motor.

This modernized product range is enabled by the plant's recent expansion, allowing annual production capacity to be stepped up to 350,000 vehicles. Other investment projects include equipping the paint shop so that customized paint finishes are now available in up to 160 colours. In May 2021, the Leipzig plant also began producing battery modules, an area where 150 employees were taken on by the end of the year. And this is only the beginning, for a second production line will start operation in 2022. Following the BMW i3 and the BMW i8, BMW's Leipzig plant is thus making a further contribution to the BMW Group's electric campaign.

AKKA Technologies opens digital centre of excellence

AKKA Technologies is significantly expanding its presence in Leipzig site. AKKA, the European market leader for engineering consulting and R&D services, responded to the rapidly increasing demand for digital expertise in the region by opening its new digital centre of excellence in Leipzig in September 2021. The number of new, highly qualified jobs there is set to reach 250. AKKA is already using its new facility to accelerate digital innovation projects and actively drive the digital transformation of its clients. AKKA provides pioneering solutions in the areas of cloud architecture, software development and testing, embedded software development, artificial intelligence, machine learning and data analytics. The government of Saxony has funded the new centre of excellence to the tune of about €2.6 million under the GRW Joint Task 'Improvement of the Regional Economic structure'.

_ www.akka-technologies.com



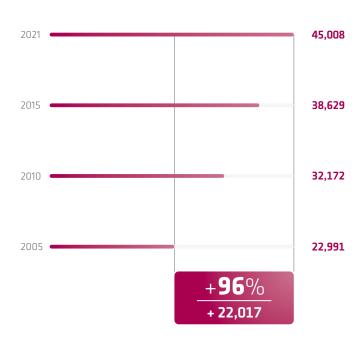
Healthcare & Biotech

In Leipzig, research is conducted to develop innovative technologies for tomorrow's healthcare industry. The findings are then honed and applied. Pioneering research institutes, hospitals, clinics, commercial companies and startups specialize in areas such as smart medical products, e-health applications, and high-performance diagnostics. Leipzig is among the world's frontrunners in the development, production and logistics of innovative cell therapeutics. And the many medical trade shows and conventions held in Leipzig underline Leipzig's importance as a bastion of healthcare.

7 good reasons for Leipzig

- Highly innovative, transfer-oriented research institutes
- 2 Networked life sciences and engineering sciences at several universities
- **3** Conducive environment for startups
- **4** Excellent laboratories and offices available at BioCube and BIO CITY LEIPZIG
- **5** Productive ties between science and industry
- **6** Well-trained medical personnel
- **7** Biotech segment integrated into the logistics/air cargo hub

Registered employees*



* Businesses and single-location businesses with registered employees subject to social security two years prior to the year under review and single-location businesses with no employees but with taxable revenue from products and services two years prior to the year under review in Sections B—N and P—S of WZ 2008.

Source: Leipzig Office for Statistics and Elections, calculations by Leipzig Office for Economic Development



- **2021** _ Saxon Future Cluster SaxoCell® comprising institutes and medical facilities
 (IZI Fraunhofer Institute for Cell Therapy and Immunology, Leipzig University Cancer Centre, etc.)
 wins the German Ministry of Education and Research's innovation competition Clusters4Future
 - Pilot programme launched to train workers with different professional backgrounds for employment in pharmaceutical production and biotech
 - Accelerator Medical Forge founded for medical product startups
 - **_** BIO-Europe, the biggest partnering conference in the life science sector, to be held in Leipzig in 2022 (24–26 October)

Cooperation for patients' benefit

Leipzig University Hospital (the biggest medical centre in central Germany) works closely with Leipzig University's Faculty of Medicine in research, teaching, and caring for the sick. Both patient care and medical training directly benefit from local research. At present, scientists from the Faculty of Medicine are working on four research topics: cellular communication, diseases of the brain and mind, diseases of affluence (such as diabetes, arteriosclerosis and obesity), and clinical regeneration, which investigates the use of innovative biomaterials in chronic wound healing. Meanwhile, engineers, computer scientists and social scientists work alongside medical experts in the Life Science & Engineering research group at HTWK Leipzig University of Applied Sciences.

Wide-ranging healthcare research

The overall assessment by the German Council of Science and Humanities is that medical research at Leipzig University Hospital and the Faculty of Medicine has a number of areas which enjoy a high profile in Germany and in some cases internationally. The range of medical research at Leipzig University encompasses nearly all fields, with particular attention devoted to diseases of affluence, the neurosciences, cell and organ replacement therapy, and psychosocial medicine. Furthermore, clinical and experimental research into cardiac surgery and cardiology at Heart Centre Leipzig enjoys international acclaim. Since it was opened in 2003, the BBZ Centre for Biotechnology and Biomedicine and the interdisciplinary SIKT Saxon Incubator for Clinical Translation provide an excellent basis for collaboration and knowledge sharing. Thanks to established technology lines and method pools, both centres act as catalysts for key technologies in molecular and cellular life sciences as well as regenerative medicine. Non-university research institutes also contribute to the region's glowing reputation as a centre of research, such as the IZI Fraunhofer Institute of Cell Therapy and Immunology, the Max Planck Institute for Evolutionary Anthropology, the Max Planck Institute for Human Cognitive and Brain Sciences, the iDiv German Centre for Integrative Biodiversity Research, and the UFZ Helmholtz Centre for Environmental Research.

_ www.medizin.uni-leipzig.de

Practical training

Problem-based study courses, e-learning, and a mentoring programme enrich the teaching concept of the Faculty of Medicine. In the LernKlinik skills lab, the 3,400 medical students practise and replicate complex treatment situations on over 200 medical simulators and mannequins. The floor space of LernKlinik's new

premises has been increased to 650 square metres. Two new seminar rooms as well as 25 training and practice rooms support interprofessional teaching, as does the operating room simulator, which enables the audiovisual evaluation of training exercises.

Award-winners

- PerioTrap Pharmaceuticals
 GmbH: Overall winner of the IQ
 Innovation Prize Central Germany
- ScobyTec: Leipzig award in the IQ Innovation Prize Central Germany
- DOCYET: Best of Central Germany Award at HHL SpinLab Investors
 Day
- Aumio: City of Leipzig Award at HHL SpinLab Investors Day 2020

biosaxony: Saxony's life science cluster

The membership of biosaxony consists of 140 commercial companies, scientific institutions, lobbyists and suppliers working in biotech from all over Saxony, the Saxon Association for Biotechnology, Medical Engineering and the Healthcare Industry. The tasks of the life sciences cluster are to interlink industry, science and applied research in order to boost the value-added development of these cross-cutting technologies. QualiBioPharma is the name of a project in which the

cluster is applying structural change to strengthen the skilled labour pool for life science companies in the region by means of a focused training programme. Meanwhile, in Medical Forge (the accelerator for smart medical products and therapies), biosaxony is helping foreign startups and SMEs to enter the German healthcare market.

_ www.biosaxony.com

Leipzig University Hospital: State-of-the-art medicine in the heart of the city

The year 2020 was of course marked above all by the Covid-19 pandemic. Despite the difficult conditions, Leipzig University Hospital fulfilled its mission as a maximum care provider, treating more than 53,800 inpatients and 296,000 outpatients. Moreover, over 56,000 emergency room patients were treated and more than 2,700 children were born, while the number of transplants performed climbed to 261. Besides, the modernized neonatology department was opened, and the state-of-the-art perianalytical system went online

in the central laboratory. The ultra-modern additional intensive care unit so badly needed was opened, and the range of radiotherapy treatments was broadened by the arrival of a new linear accelerator. Advances were also made in gynaecology and paediatrics: parents can now accompany their children until they are anaesthetized, paediatric surgeons use wood instead of plaster to treat fractures, and the new midwife-led delivery room is the first of its kind in Leipzig.

_ www.uniklinikum-leipzig.de

Contact

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Biotech and life sciences: biosaxony Management GmbH André Hofmann Tel: 0341 212070 Email: gf@biosaxony.com www.biosaxony.com





60 clinical institutions



The St George's Hospital Group

The St George's Hospital Group is one of the biggest healthcare providers in the region. Every year, it treats around 42,000 inpatients and day-care patients as well as 125,000 outpatients. Over the next few years, the hospital's buildings in the district of Eutritzsch will benefit from the biggest structural alterations in its history: the opening of a new outpatient centre in 2022, followed by the construction of a second central building for internal medicine, turning the hospital into one of the most advanced healthcare facilities in the Leipzig region. The Clinic for Infectiology/Tropical Medicine, one of seven such treatment centres and centres of excellence in Germany, provides patients with the highest level of medical care, and is involved in current research projects into Covid-19. The Centre for Severe Burn Injuries is the only centre of its kind in Saxony and treats up to 200 burns victims annually. The St George's Hospital Group has seven subsidiaries and four hospitals, and employs about 3,500 people.

_ www.sanktgeorg.de

World-level dedication to cardiac care

Under the direction of experienced doctors and renowned scientists, Heart Centre Leipzig has been delivering outstanding cardiovascular medicine for more than 25 years. It carries out around 4,000 heart operations and 2,000 catheter ablations annually. Heart Centre Leipzig is the second largest heart transplant centre in Europe and has consistently high quality standards. Three departments (Cardiac Surgery, Cardiology — Helios

Endowed Chair, and Paediatric Cardiology) all have university hospital status thanks to cooperation with Leipzig University. Heart Centre Leipzig, which has gained an excellent reputation far and wide for its research and medical expertise, joined the HELIOS Kliniken Group in 2014.

_ www.herzzentrum-leipzig.de

BIO-Europe 2022: The world comes to Leipzig

BIO-Europe 2022 is scheduled to take place in Leipzig from 24 to 26 October. One of the foremost conferences in the biotechnology sector, 4,500 international participants from over 2,500 pharmaceutical, biotech and med tech companies are expected to attend. Focusing on business development, the key feature of this

congress is partnering in the form of one-to-one meetings lasting 30 minutes. These often lead to follow-up meetings to discuss technology development and possible partnership. The regional host committee comprises BIO-NET LEIPZIG, biosaxony Management GmbH and Leipziger Messe GmbH. The conference is also

supported under various funding programmes by the Saxon Ministry of Economic Affairs, Labour and Transport, and the Saxon Ministry of Science, Culture and Tourism. By hosting BIO-Europe, Leipzig will become the face of Saxony's life science industry.

Vita 34: The future is in Leipzig

With the largest stem cell bank in Germanspeaking countries, Vita 34 are the experts when it comes to the storage of stem cells from the umbilical cord obtained at birth. Stem cells are already the basis for numerous medical applications — and they're set to play a huge role in the future of medicine with the advent of personalized therapies tailored to individual needs. Vita 34 has been helping to translate this vision into reality since 1997. Vita 34 is a full-service provider, its services ranging from the collection of blood and tissue containing stem cells through processing and cryopreservation to the delivery of stem cell transplants. In 2021,

Vita 34 and the Polish cell bank PBKM merged under the umbrella of Vita 34, creating easily the largest cell bank in Europe and the third-largest worldwide.

_ www.vita34.de



BioCity Campus: District for research and business

1. Leipzig University Hospital

The medical campus on Liebigstrasse with more than 60 clinics, departments, sections and institutes is only 800 metres away. More than 7,300 people are employed at Leipzig University Hospital.

2. German National Library

Archives all German and German-language publications since 1913.

3. Max Planck Institute for Evolutionary Anthropology

More than 400 members of staff conduct interdisciplinary research into the history of mankind by means of comparative analyses of genes, cultures, cognitive abilities, languages and social systems.

4. Campus of the Faculty of Veterinary Medicine

The University Clinic for Small Animals, the Clinic for Birds and Reptiles, the Clinic for Horses, the Veterinary Anatomical Institute, the Veterinary Physiological Institute, and the Institute of Food Hygiene are all based on BioCity Campus.

5. BIO CITY LEIPZIG

The nucleus of the BioCity Campus, 36 biotech companies and 6 chairs from Leipzig University operate out of one of Germany's biggest biotechnology centres with 20,000 square metres of laboratories and office space.

6. BioCube

Extension of BIO CITY LEIPZIG where Vita 34 (the largest German cord blood bank) and c-LEcta (a hidden champion in industrial biotech) are based.

7. IZI Fraunhofer Institute for Cell Therapy and Immunology

Special solutions at the interfaces of medicine, life sciences and engineering are researched and developed on about 8,750 square metres.

8. Free State of Saxony's Self-Use Zone for Life Science

9. Innovation Centre

Parts of the former Pavilion 12 are currently being converted into a modern innovation centre.

10. iDiv German Centre for Integrative Biodiversity Research

At iDiv (which is funded by the DFG German Research Foundation), over 450 staff from more than 40 countries conduct research into the sustainable management of our planet's complex biodiversity.

11. Orthopädie- and Reha-Technik-Wolf

This family-run stockist of orthopaedic and rehabilitation equipment has a chain of 11 medical supply stores and 4 hospital outlets.

12. Haema AG

The headquarters of Germany's biggest blood donor service contains state-of-the-art cold storage areas and processing systems for blood products on an area of 24,000 square metres.

13. Analysen Service GmbH

Environmental and oil laboratory specializing in the analysis of gas, solid fuel, residue, waste, sewage, groundwater and seepage water as well as measurement, interpretation and consulting regarding the analysis of insulating oil.

14. German Agency for Nature Conservation

The German Agency for Nature Conservation is the federal government's scientific authority for nature and landscape conservation.

The BioCity Campus is the biotechnology and life science park near central Leipzig. It's home to much of Leipzig's biotech and biomedicine cluster, and combines the advantages of research institutions located cheek by jowl with commercial companies.

_ www.biocity-campus.com



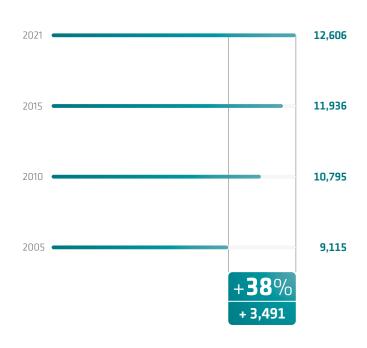
Energy & Environment

Leipzig's energy and environmental sector has a long heritage, a stable basis comprising over 1,000 companies, and also outstanding development potential with various startups tackling the challenges of the energy, environmental and transport transition. Thanks to the presence of long-standing utilities, outstanding institutions conducting pioneering applied research, and a variety of service providers, the actors in the Energy & Environment Cluster do their bit to keep the economy flourishing.

7 good reasons for Leipzig

- Actively shaping the energy and mobility transition
- **2** Pole position in continental European energy trading
- **3** Seat of several major energy corporations
- **4** Proven market cooperation with medium-sized enterprises
- 5 Location of manufacturers and users in e-mobility
- **6** Close ties between industry and research
- **7** Expertise in the large-scale application of innovative environmental technologies

Registered employees*



* Businesses and single-location businesses with registered employees subject to social security two years prior to the year under review and single-location businesses with no employees but with taxable revenue from products and services two years prior to the year under review in Sections B—N and P—S of WZ 2008.

Source: Leipzig Office for Statistics and Elections, calculations by Leipzig Office for Economic Development



- **2021** _ Foundation of hydrogen trader HINT.CO (Hydrogen Intermediary Network Company)
 - _ Construction work begins on South Leipzig CHP Plant with hydrogen-ready turbines to replace the use of lignite
 - _ Stadtwerke Leipzig launches €400 million investment drive in renewable energies
 - National Biodiversity Monitoring Centre established
 - Leipzig receives Gold European Energy Award (EEA)
 - _ TIER and Voi launch e-scooter hire at mobility stations around Leipzig

Focused expertise: NEU Energy & Environment Network

The NEU Energy & Environment Network set up in January 2011 brings together regional actors from industry, research and the local authority in the areas of energy and environmental technology. Its tasks include pooling knowledge and developing projects for the regional economy. NEU's members benefit from the transfer of scientific research into commercial applications, improved access to foreign markets, and extended public relations activities. In NEU's five cluster teams Smart Mobility, New Energy Systems, Urban

Bioeconomy, Natural Resources and Human Resources, members can help each other and develop project ideas. Thanks to long-standing collaboration with the Office for Economic Development, NEU is also a reliable partner when it comes to coordinating urban policy issues and conditions for funding programmes. NEU is currently taking part in the European project SmartCTClusters as well as a local project on the thermal use of seawater, and several project initiatives for startup and transfer centres as well as green heat supply.

Energy Metropolis Leipzig: 14th Expert Meeting

The 14th Expert Meeting of Energy Metropolis Leipzig in 2021 was held under the banner of "Leipzig Rethinks Resources aNEU!" This joint event organized by the Office for Economic Development and the NEU Energy & Environment Network highlighted the importance of

resources for the region ranging from hydrogen and the bioeconomy to heat and second-life battery storage. The well over 100 specialists in attendance were given an insight into the latest developments in sunrise industries

EU project 2050 CliMobCity: Remaining mobile, protecting the climate, strengthening commercial transport

The City of Leipzig is continuing its Smart Mobility action plan by setting itself new targets. To this end, Leipzig City Council voted to participate in the EU project 2050 CliMobCity. The focus is on measures to reduce carbon emissions by means of strategic objectives in Leipzig's Integrated Urban Development Concept, especially the Mobility Strategy 2030. Key aspects range from sustainable mobility (e.g. shared mobility services) as well as cycling and related infrastructure to interconnected modes of transport and expanding the charging infrastructure for electric vehicles. In addition,

attention is paid to establishing a creative environment for innovators and founders dedicated to improving transport in urban areas in the face of advancing climate change. The EU project will help Leipzig's GreenCity plan, the Climate Protection Programme, and the Clean Air Plan. Transnational debate and close scientific relations with Delft University of Technology in the Netherlands and the Potsdam Institute for Climate Impact Research underpin the project's European dimension.

HYPOS: Centre of expertise for green hydrogen

The HYPOS hydrogen cluster has been establishing a cross-sector green hydrogen industry since 2013. With over 150 members, it combines the potential of innovative SMEs with the expertise of industry and research institutes. To pave the way for implementation, a total of 34 project consortia research innovation along the entire value chain. Hydrogen contributes to achieving

the 2050 climate targets, yet also has the potential to be an important factor in sustainable economic development. The Leipzig region has an important role to play due to its infrastructure advantages. The German Ministry of Education and Research is funding the project with €45 million under its programme 'Twenty20 – Partnership for Innovation'.

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www.energiemetropoleleipzig.de



34 project consortia





VNG: Natural gas for Europe

The Leipzig-based VNG Group is made up of over 20 companies, a broad portfolio of gas and infrastructure services, and over 60 years' experience on the energy market. With its German and European subsidiaries and shareholdings, the VNG Group has positioned its gas expertise along almost the entire value chain. VNG is also an important employer with a headcount of around 1,300. Its activities are divided into the four areas of trading and sales, transmission, storage, and biogas. Based on its core expertise in gas, under its VNG 2030+ strategy, the corporation is increasingly concentrating on new areas of business such as biogas and hydrogen as well as digital infrastructure. VNG is thus contributing to the success of the energy transition and the future decarbonization of the energy supply.

_ www.vng.de

VNG AG



1,300 employees



€9.8bn

group sales*
*Billed sales revenue,
2020 financial year

EEX: European Energy Exchange

European Energy Exchange AG was founded in Leipzig in 2002 and is nowadays Europe's leading energy bourse. It is part of the international EEX Group, which develops safe, successful and sustainable commodity markets worldwide. Electricity, natural gas, emission allowances, freight and agricultural products are all traded by the EEX Group, which also offers registry services and auctions for Guarantees of Origin. The EEX Group connects more than 750 trading participants from over 40 countries. It employs more than 800 people at 17

locations, over 400 of whom work at its headquarters in Leipzig. The EEX Group's total sales in 2020 exceeded €320 million. The EEX Group comprises the European Energy Exchange (EEX), EEX Asia, EPEX SPOT, Power Exchange Central Europe (PXE), Nodal Exchange, the registry operator Grexel, and the software company KB Tech. Clearing and the settlement of trading transactions is carried out by EEX's internal clearing house European Commodity Clearing (ECC) as well as Nodal Clear in the United States.

_ www.eex-group.com

EWERK Group: Digital success

EWERK is a leading IT service provider for organizations in system-relevant industries. The mission of the Leipzig-based EWERK Group is to accelerate the development towards digital sovereignty as a growth engine and catalyst for the future — for only through excellent IT services can the potential of digitalization be achieved and success secured in the long term. As a specialist in complex IT projects, the EWERK Group

combines services from the areas of consulting and digital strategies, software development and design, IT operations and IT infrastructure, and also business process outsourcing. EWERK enables clients from the energy sector, finance, public institutions and healthcare to achieve sustainable growth throughout the value chain by means of customized digital solutions.

_ www.ewerk.com



GET: Data and software for the energy sector

IT company GET AG was founded in Leipzig in 2000. Employing around 80 staff, GET gathers relevant data for the energy industry and develops software for clients in B2B and B2C. Around 500 clients from the utility industry in Germany and other European countries rely on GET's market data, innovative tools and portal solutions. GET recently joined forces with partners to develop two e-commerce applications: one optimizing energy sales

for individual customers, the other enabling clients from the financial sector to address consumers with providers from other sectors. Meanwhile, in a joint project funded by the German Ministry of Education and Research, GET is addressing user acceptance and data protection in connection with a new smart service platform. In 2020, GET was awarded the titles of both Family-Friendly Employer and Top Innovator.

_ www.get-ag.com

The Leipzig Group: Strong for the city, strong for its citizens

The Leipzig Group, consisting of the municipal electricity and gas utilities, public transport operators and waterworks, has some 4,950 employees using their expertise and creativity every day to make a substantial contribution to Leipzig's economic and social stability. As well as being the biggest employer in Leipzig after the local authority, the Leipzig Group places around 85 per cent of its procurement contracts in the Leipzig region, thus supporting local economic development. About €520 million of GDP in Leipzig is accounted for by the business activities of the Leipzig Group, securing over 12,300 jobs.

_ www.L.de



Stadtwerke Leipzig: The energy experts

Stadtwerke Leipzig is the foremost municipal multi-utility in central Germany. Together with its network subsidiary Netz Leipzig, Stadtwerke Leipzig fronts the entire range of expertise and services required for the generation and distribution of electricity, gas and district heating. It uses smart, green and future-proof solutions to tap the energy world of tomorrow. Stadtwerke Leipzig has assumed the role of an energy transition manager, strategically and technologically meeting the new requirements and actively providing for the future. Its efficient network provides the necessary basis for the reliable, long-term supply of energy to all the citizens of Leipzig.

_ www.L.de/stadtwerke

Leipziger Wasserwerke: Quality from the region

Leipzig's waterworks champion the highest standards in drinking water and sewage disposal. In 2020 alone, it delivered over 37 million cubic metres of excellent drinking water to almost 700,000 people in and around Leipzig. About three-quarters of this water is extracted in the Mulde valley, a catchment area where high water purity is ensured by means of organic farming. Continuous water analyses throughout the entire drinking water network guarantee the high quality of the most important foodstuff. Wastewater is treated in eco-friendly sewage treatment plants, the purified water being returned to the natural cycle and making an important contribution to the protection of the natural environment. In 2020, Leipziger Wasserwerke invested over €60 million in its plants and networks.

_ www.L.de/wasserwerke

Lignite phase-out: Multi-utility
Leipziger Stadtwerke intends to put
its new gas-fired combined heat
and power plant into operation
at the end of 2022. South Leipzig
CHP Plant will comprise two gas
turbines each generating 62MW.

Leipzig Group



4,950 employees



€2.3bn groups sales



€1.8bn in investment until 2025

Sachsen Wasser: International know-how transfer

Sachsen Wasser GmbH is an independent private consultant advising water supply and sewage disposal companies all over the world on how to optimize their technical, commercial and administrative management. Focusing on know-how transfer and development cooperation in the areas of technology, ecology, hygiene

and economics, the company helps its partners to make their structures and processes reliable and sustainable. Sachsen Wasser shares the experience and expertise gained from its own operational management – an operational background which is one of its key USPs – with water utilities in Germany and abroad.

_ www.sachsenwasser.com

Tilia GmbH

Tilia supports utilities, local authorities, industrial companies and housing associations as they step up their activities for more climate protection and sustainability. Tilia develops solutions with its clients and partners in the areas of energy, water, the circular economy, transport and infrastructure, including with the aid of digitalization. Taking a holistic approach,

Tilia considers all the aspects necessary for commercial success: strategy and organization, human resources and processes, equipment and facilities, economics and ecology, management and culture, and communication.

Tilia's 150 employees — a European team — draw on their proven expertise and experience from the more than 500 projects it has successfully accomplished.

_ www.tilia.info

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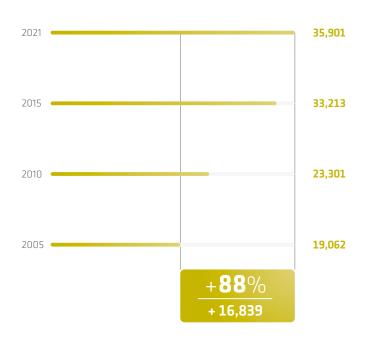
Logistics

Leipzig is the European logistics hub for multinationals like DHL, AeroLogic, Amazon Air and Future Electronics. First-class logistics and value-added services have arisen for car-makers, mechanical engineering and med tech in and around Leipzig thanks largely to the 24/7 freight services at Leipzig/Halle Airport, Leipzig's highly motivated, well-trained labour pool, the city's excellent research infrastructure, and the wide-ranging cooperation between higher education and industry.

7 good reasons for Leipzig

- Trimodal road-rail-air hub for distribution throughout Europe
- 2 Europe's fifth-largest cargo airport
- **3** Integration into international rail container routes, all the way to China
- 4 Host of the World Transport Forum
- 5 Innovative, practical IT location with Logistics Living Lab
- **5** 5G telecoms system with pioneer region in north Leipzig
- 7 Logistics cluster integrated by the Central German Logistics Network

Registered employees*



* Businesses and single-location businesses with registered employees subject to social security two years prior to the year under review and single-location businesses with no employees but with taxable revenue from products and services two years prior to the year under review in Sections B—N and P—S of WZ 2008.

Source: Leipzig Office for Statistics and Elections, calculations by Leipzig Office for Economic Development



- **2021** _ Beiersdorf plans logistics hub for €170m
 - CEVA Logistics expands and moves into new site (35,000 square metres)
 - BdKEP German Federation of Courier, Express and Postal Services signs cooperation agreement with the Central German Logistics Network
- 2020 _ Leipzig/Halle Airport: Dynamic growth in air freight handling: up by 11.7 per cent
 - Airport plans investments totalling hundreds of millions of euros
 - AeroLogic: Fleet joined by another 4 wide-body aircraft, new jobs created for 110 pilots and 13 office staff
 - Amazon opens its first European regional air freight centre at the airport

MITGLIEDER DES NETZWERK LOGISTIK MITTELDEUTSCHLAND e. V.

Central German Logistics Network

The Central German Logistics Network has been successfully promoting the interests of the industry since 2008. A platform with currently around 140 members, it constantly encourages cooperation, debate and new projects, thus stimulating the further development of central Germany as a stronghold of the logistics sector. In addition, the network continuously strengthens cooperation with various partners. For example, the ACOD Congress and the Central German Logistics Forum were jointly hosted at Volkswagen in Dresden on 1 September 2021.

In addition to logistics contractors, other members of the network include local authorities, chambers of commerce, and research and educational institutions. The aims are to promote joint business development and provide fresh impetus through the transfer of innovation and expertise. The network's expert groups devise measures to boost the region's competitiveness, including campaigns addressing the shortage of skilled workers and junior staff as well as promoting innovation.

_ www.logistik-mitteldeutschland.de



Research into logistics at Leipzig University

Based at Leipzig University's Information Systems Institute, the Logistics Living Lab is an open space for innovation, demonstration and collaboration in the field of innovative information systems to meet tomorrow's logistics challenges. A systematic research process brings together logistics players from industry, science and the local authority to make future logistics greener,

safer and more efficient. As well as publishing its findings so that they can be tested and validated, it also involves future users in the development process. Being an open space fostering innovation, the Logistics Living Lab integrates research artefacts from different sources and enables new ideas and concepts to be trialled.

_ www.logistics-living-lab.de



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50destinations
served directly
by DHL

DHL's hub in Leipzig

DHL's hub at Leipzig/Halle Airport is a place of superlatives: 87,000 square metres of terminal space, 150,000 parcels per hour, 46.6 kilometres of sorting facilities, 21,600 square metres of office space, 140 trainees, more than 6,000 employees, and 23,600 take-offs and landings every year. The DHL Express airfreight hub in Leipzig was opened over a decade ago and has since developed into the biggest transhipment hub in the DPDHL Group's express network in the world. Its core business is to deliver the shipments received to their destination the following day. Shipments are quickly forwarded to their destinations and delivery

is guaranteed within a defined period. Express freight relies on overnight shipping. Any hub for express freight would be impossible to run without 24/7 operation, and DHL in Leipzig is no exception. Serving 220 countries and regions, there's hardly anywhere that DHL can't reach! Alongside its global hubs in Hong Kong (Asia) and Cincinnati (USA), the Leipzig hub is the most advanced in the entire DHL Express network. Hundreds of thousands of shipments from all over the world are re-sorted there night after night before making their way to the recipient.

AeroLogic

AeroLogic GmbH, a joint venture set up by DHL Express and Lufthansa Cargo, operates one of the world's most advanced fleets of intercontinental freighters comprising 18 Boeing 777Fs out of Leipzig/Halle Airport. The freight carrier delivers everything from post and luxury foods to technical equipment, motor vehicles and even animals to 26 cargo centres in Asia, the Middle East and North America. It hence links the two transport hubs Leipzig

and Frankfurt to the main destinations of its two parent companies across the world. AeroLogic delivers some 17,000 tonnes of mostly time-critical express freight for Lufthansa and DHL every week. Since it was founded in 2007, AeroLogic has acquired a reputation as a powerful air freight company in Germany thanks to its efficient, stable performance.

Amazon Air at Leipzig/Halle Airport

One year ago, Amazon Air opened its first European regional air freight centre at Leipzig/ Halle Airport. Parcels are sorted, and lorries and aircraft are loaded and unloaded in its 20,000 square metre cargo facility. Amazon Air has leased two Boeing 737-800s from GE Capital Aviation Services (GECAS) and two more from Aero Capital Solutions (ACS), all of which feature the typical livery of Amazon Air and are operated in Europe on its behalf by ASL Airlines. These aircraft supplement the existing fleet of more than 85 aircraft operated worldwide in Amazon Air's air cargo network. The air cargo centre in Leipzig opened in 2020 with two flights

daily. It has created over 800 jobs in the region in addition to the 1,500 existing jobs at Amazon in Leipzig. Amazon has been embedded in the Leipzig region since 2006.

_ www.amazon.de



- Openier
- Cargo City North
- Expansion of Apron 2
- Taxiway
- Taxiway

- Taxiway
- Taxiway
- 8 Amazon
- Greenfield Technology Park
- 10 Logistics/office building
- Logistics/office building
- 12 Expansion in the area of DHL Hub
- Empty container depot



Development areas

Setting the course for the expansion of Leipzig/Halle's logistics sector

On 29 May 2019, the Supervisory Board of Mitteldeutsche Flughafen AG gave the green light for an extensive investment programme at Leipzig/Halle Airport. It includes the expansion of apron areas to meet demand as well as the construction of facilities

in the north and south areas of the airport. Investments totalling €500 million are planned, to be financed by Flughafen Leipzig/Halle GmbH. This is the biggest investment package for Mitteldeutsche Flughafen since the expansion of Leipzig/Halle Airport in the 1990s.

_ www.mdf-ag.com



€500m

is being invested at the airport

DB Schenker: Logistics diversity

With around 1,000 employees, DB Schenker delivers complete logistics solutions for land, air and sea freight and contract logistics in the Leipzig region. Leipzig's manufacturing sector has a reliable partner in DB Schenker, which provides individual solutions to clients' exacting requirements. For example, car parts ranging from airbags to shock absorbers are packed safely for transport at DB Schenker's biggest logistics centre in Germany. Elsewhere in Leipzig, DB Schenker handles

the just-in-sequence delivery of components to vehicle manufacturers' production lines. Many other industrial sectors also rely on DB Schenker's expertise, entrusting it with the supply of spare parts across Europe or their in-house logistics. DB Schenker has Europe's largest independent land freight network, connecting Leipzig reliably and quickly to all the continent's economic centres.

_ www.dbschenker.com/de

CEVA Logistics

The first three units in the logistics terminal developed by Baytree at Baytree Logistics Park in Leipzig have been let to CEVA Logistics, a global logistics and supply chain company. CEVA moved into some 35,000 square metres of this modern, prime centre at Leipzig/Halle Airport in December 2021. From its new base, it will now handle logistics throughout Germany for a well-known sports goods manufacturer.

momox

momox AG is Europe's leading recommerce company. With its head office in Berlin, it employs over 2,250 people at its four sites. At its biggest fulfilment centre in Leipzig, more than 1,300 employees handle the logistics of buying and selling pre-owned books, digital media and fashion. Over 14 million items are stored on 100,000 square metres — and they're joined by as many

as 150,000 articles (and counting!) daily. Following quality control, all incoming items are resold on its own online shops medimops.de (books and media) and momoxfashion.com (clothing) as well as on online marketplaces.

_ www.momox.de

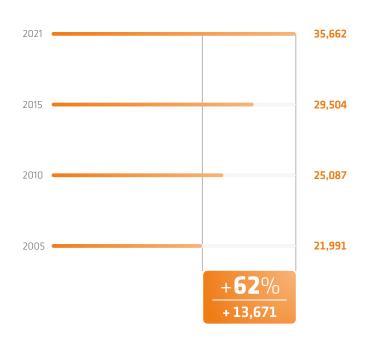
IT, Media & Creative Industries

The IT, media and creative industries sector is one of the driving forces behind Leipzig's economic success. Comprising several subsectors, it's closely linked to the rest of the economy and acts as a creative catalyst. It combines cultural and artistic ideas and products with technological and scientific creativity, making the Media & Creative Industries Cluster a new, high-growth key industry.

7 good reasons for Leipzig

- 1 Powerful, innovative IT sector with outstanding telecoms infrastructure
- 2 Broadcasting centre of public broadcaster MDR
- **3** Networks offer plenty of scope for synergy
- 4 Influential industry gatherings such as the Leipzig Book Fair and DOK film festival
- **5** Pioneering higher education programmes in the media
- **6** Thriving startup scene, festivals with an international impact
- **7** Wide range of premises for creatives from coworking spaces to lofts

Registered employees*



* Businesses and single-location businesses with registered employees subject to social security two years prior to the year under review and single-location businesses with no employees but with taxable revenue from products and services two years prior to the year under review in Sections B–N and P–S of WZ 2008.

Source: Leipzig Office for Statistics and Elections, calculations by Leipzig Office for Economic Development



- **2021** _ Posterlounge GmbH builds a new printing plant in Leipzig to open in early 2022
 - Project CoyPu wins Al innovation competition held by the German Ministry for Economic Affairs and Energy
 - OUTS:DE arts festival: Programme and government funding twice as large as in 2020
 - _ MTM Central German Media Festival 2021: Completely digital for the first time
 - Opening strategies: Model project for Leipzig's nightclub and cultural sector
 - MEDIAstart: New startup initiative by MDM Central German Media Promotion
 - Pop-up stores: Ideas competition by the Office for Economic Development

Analogue and digital: MTM Central German Media Festival

The MTM Central German Media Festival has become established as the most important media conference covering Saxony, Saxony-Anhalt and Thuringia. As usual, the exclusive congress on 1 and 2 June 2022 and its supplementary format MTM Extra were the scene of topical debate. Experts provided important stimulus for future models and discussed topics of particular concern to the media industry. MTM is organized by the Medientage Mitteldeutschland committee, whose members include the City of Leipzig, the regional media authorities of Saxony-Anhalt, Saxony and Thuringia, broadcasters ARTE, ZDF and MDR, MDM Central German Media Promotion, MDR MEDIA GmbH, Saxonia Media, and the Association of Central German Commercial Radio.

_ www.medientage-mitteldeutschland.de



ScaDS.AI: Center for Scalable Data Analytics and Artificial Intelligence

Operating in both Leipzig and Dresden, ScaDS.AI is one of five centres of excellence in artificial intelligence financed by the German government. Initially founded in 2014 as the Centre for Big Data, it combines the AI and data science expertise of Leipzig University, Dresden University of Technology, and ten non-university institutions. ScaDS.AI addresses the scalable use of big data as well as advanced, trustworthy AI, and facilitates the translation of research into economic and scientific applications. The centre at Leipzig University will be bolstered by at least four new AI chairs and will soon have a headcount of about a hundred.

_ www.scads.ai

Games & XR Central Germany

Games & XR Central Germany is an industry association acting on behalf of all structures of the games industry in Saxony, Saxony-Anhalt and Thuringia. Thanks to a tightly knit network comprising the games industry, VR/AR providers, research, creatives and esports, it enables ideas and information to be shared throughout the sector. This network is the basis for establishing central Germany as a hotspot for innovative technologies and companies in the games and XR industry. To this end, it establishes contacts with external partners to support the transformation of the entire region. Games as well as related technologies and skills are key factors in ensuring a future-proof economy.

_ www.games-und-xr.de

Games Innovation Award Saxony

The Games Innovation Award Saxony is an initiative by Games & XR Central Germany to support the development of the computer and video games industry in Saxony. Presented in conjunction with the State Chancellery of Saxony, the award highlights products and innovations from the regional games industry.

_ www.games-innovationaward-saxony.de

Kreatives Leipzig

Kreatives Leipzig is the trade association of the cultural and creative industries in Leipzig and the region. Dedicated to promoting and networking the twelve subsectors of Leipzig's cultural and creative industries, it's determined to raise the profile of the existing structures and value chains of individual areas. Moreover, it publicises the services of local creatives and offers its members concrete support. It also reinforces (interdisciplinary) networking with businesses, associations and initiatives from Leipzig, lobbies on behalf of local creatives, and communicates their needs to politicians and other decision-makers in local government.

_ www.kreatives-leipzig.de

Central German IT Cluster

The Central German IT Cluster unites small, medium-sized and large IT companies from the region. Its aims are to coordinate and highlight the activities of the IT industry, and to jointly promote central Germany as an IT location. Attention is also paid to networking — both within and outside the IT sector. Its activities revolve around current industry topics such as digitalization, IT security and data protection, artificial intelligence, digital education, and ensuring the supply of skilled workers. The IT Cluster works closely with other business organizations and local authorities from the region as well as research centres and the higher education sector. And it also organizes regional and digital events.

_ www.it-mitteldeutschland.de

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Fokusbroschüre IT

Training and research institutes in the Media &

Creative Industries _ Leipzig University _ German Institute for Literature _ InfAl Institute for Applied Informatics _ Faculty of Mathematics and Computer Science _ Faculty of Economics Institute of Communication and Media Studies Institute of Musicology _ Institute of Theatre Studies _ Information Systems Institute _ Institute of Computer Science - HGB Academy of Visual Arts _ University of Music and Theatre Felix Mendelssohn Bartholdy Leipzig - HTWK Leipzig University of **Applied Sciences** _ Faculty of Architecture and Social Sciences _ Faculty of Digital Transformation

_ Faculty of Computer Science and Media Electrical Engineering and Information Technology - HHL Leipzig Graduate School of Management _ Business Informatics/E-Business _ IT-Based Logistics

(Entrepreneurship & Technology Transfer) _ Leipzig School of Media _ SAE Institute Leipzig

_ Saxon University of Cooperative Education - Department of Computer Science _ Macromedia University

of Applied Sciences _ Digital Technologies & Coding _ Games Design

> _ Fashion Design _ Communication Design

_ FAM gGmbH -Central German TV Academy _ Deutsche POP

_ IU International University of **Applied Sciences** _ Marketing Management

_ Media Design



Spread Group

From Leipzig to the world. Beginning 20 years ago with the startup Spreadshirt, the company has since developed into the Spread Group - the world's leading print-on-demand corporation. At the core of its business model is only printing what its customers really want when they want it. Right from the start, it combined ecological sustainability with individual expression on

all kinds of products. It's powerful brands Spreadshirt, Spreadshop, Teamshirts and SPOD inspire customers to discover, design and sell products to their partners. The Spread Group has grown continuously since it was founded in 2002, achieving sales of €169 million in 2020. It employs over 1,000 people worldwide, including450 at its Leipzig HQ alone.

www.spreadgroup.com

Ulysses

Many Apple fans are familiar with Ulysses – a popular text editor for Macs, iPads and iPhones. Devised and programmed in Leipzig, it's loved and used by authors all over the world. The two founders Marcus Fehn and Max Seelemann, a designer and a high school student with a penchant for programming, joined forces in 2002 because they couldn't find a text editor that wasn't

meant for secretarial work. The result was the first text-editing software on the market aimed specifically at book authors and other writers. Ulysses, crowned with the prestigious Apple Design Award by Apple, enjoys a steadily growing fan base. Today, the company behind it employs 20 people in development, design, marketing and support.

_ulysses.app

SoftwareONE

SoftwareONE is a leading global provider of end-to-end software and cloud solutions. With expertise along the entire value chain, SoftwareONE enables businesses to holistically develop and implement their commercial, technological and digital strategies. SoftwareONE supports companies with the modernization of applications and the migration of mission-critical

workloads to public clouds, while managing and optimizing associated software and cloud assets, including licensing. Privately owned since 1985, and now employing over 8,300 technology experts in 90 countries, SoftwareONE is one of the fastest growing providers of technology solutions in the world.

_ www.softwareone.com

1000°DIGITAL

1000°DIGITAL GmbH is an established software company based in central Leipzig. Since its foundation in 2000, it has developed digital apps enabling people to communicate with each other more easily. The team has a wealth of experience in development, programming and IT architecture, and supports well-known companies with complex IT projects, including innovative software

and communication solutions as well as digital tools. In addition to individual software development, two of the company's popular products are the interactive 1000°ePaper and the chatbot platform Kiko. Clients can always depend on many years of experience in several areas of expertise as well as extensive support services.

_ www.1000grad.de



MDR: Broadcasting quality on all channels

With its own public television, radio, online and social media services, digital formats in the ARD media library and audio library, and its own symphony orchestra. radio choir and children's choir, MDR is the biggest and most successful media organization in central Germany. Seven million people – 92 per cent of everyone aged 14 and over in Saxony, Saxony-Anhalt and Thuringia – regularly tune in to MDR on TV, radio or the internet. This modern multimedia operation with brands such as MDR AKTUELL, MDR KULTUR, MDR SACHSEN, MDR SACHSEN-ANHALT, MDR THÜRINGEN, MDR KLASSIK and MDR TWEENS keeps people up to date and creates user loyalty across all channels. MDR is the lead broadcaster within the German public network ARD for KiKA (the children's channel of ARD and ZDF) as well as the new cultural platform ARD Kultur. MDR

also supplies plenty of programmes for the ARD joint programme Das Erste as well as for 3sat, arte, Phoenix and FUNK (the youth content network of ARD and ZDF) as well as digital channels, including reports for national TV news, the political magazine 'Fakt', contemporary history documentaries, crime thrillers for the popular series 'Tatort' and 'Polizeiruf 110', and Germany's most successful hospital series 'In aller Freundschaft' (which is filmed in Leipzig). The popular daily ARD magazine 'Brisant' is also produced by MDR in Leipzig. What's more, viewers and listeners from central Germany have plenty of opportunities to enter into dialogue with MDR at a stream of public events which are as diverse as MDR's media content!

_ www.mdr.de

Arts and music: Leipzig's free spirit

Culture and a vibrant fringe scene are both firmly embedded in Leipzig. The city's artists, musicians, dancers and actors generate a cultural momentum which inspires other creatives, electrifies audiences, and significantly contributes to the general quality of life in Leipzig. The subsector arts and music accounts for the highest number of businesses in the IT, Media & Creative Industries Cluster and comes third in terms of employment, underscoring the high quality of Leipzig's free spirit!

REGIOCAST: A German radio company

REGIOCAST is a radio company operating throughout Germany. With branches in Leipzig, Kiel, Berlin and Hamburg, it runs several analogue and digital audio brands and has shareholdings in about two dozen radio broadcasters, radio marketers, and other service providers in the media sector. At its Leipzig studios, alongside Radio PSR (the leading commercial station in Saxony), REGIOCAST runs the popular stations R.SA and

ENERGY Sachsen as well as audio advertising company mir.) marketing. Its brands have been setting the pace and driving innovation in the Saxon radio market for almost 30 years. Actively shaping the future of radio across Germany, REGIOCAST offers exciting products for listeners, users and advertising partners from all sectors of the economy.

_ www.regiocast.de

Events

Broadcasting & film

- _ DOK Leipzig
- _ Leipzig Film Art Fair
- _ MTM Central German Media Festival
- _ globaLE
- _ VISIONALE Leipzig
- _ Saxon Film Summer

Arts & music

- _ Euro-Scene Leipzig
- _ Leipzig Bach Festival
- _ a cappella Festival
- _ Leipziger Jazz Festival

Architecture & design

_ Grassi Fair

Advertising and PR

_ Effie Award

INSONE

At INSONE, musicians and experts in sound design, data science, electronics and software development are working on a unique technology known as sonocom. It enables telecommunications processes to be sonically optimized for the first time so that people understand each other better. This technology can be used for all sorts of applications including emergency telephones,

service hotlines, counselling services, pastoral care and telephone sales as well as telephone conferences, virtual team meetings and online lectures. Today, well-known companies and brands already rely on the 'audio engineer for the telephone'. In 2021, INSONE was awarded the City of Leipzig's Public Value Award for its sonocom technology.

_ www.sonocom.de

Industry: Healthy growth in orders

Industrial companies in the Leipzig region:



46,913 employees



508 companies



€14.03bn

in turnover



40.8%

export quota

Source: Leipzig Chamber of Industry and Commerce, 2020 (only firms with more than 20 employees)

Contact

City of Leipzig
Office for Economic
Development
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In recent months, local industrial companies have seen their circumstances continuing to improve. Already half of employers rate business as good, while just 8 per cent remain dissatisfied. The business confidence index rose by a further 12 percentage points to 42, approaching the pre-Covid level. Even so, companies are still only slightly raising their business forecasts, the index merely

climbing from 8 to 12 percentage points. This indicates that growth is weakening despite healthy incoming orders. This can be explained by supply bottlenecks for basic components such as semiconductors.

Source: Economic survey by Leipzig Chamber of Industry and Commerce, 6–24 September 2021



Siemens: 125 years in Leipzig

As a leading technology company specializing in industry, infrastructure and mobility, Siemens has been operating in Leipzig for almost 125 years. At its sales and service branch in the heart of Leipzig. Siemens is shaping the transition into the digital age together with its customers from the region. Meanwhile, switchgear manufacturer Siemens-Schaltanlagenbau Leipzig has expanded its infrastructure portfolio comprising energy supply and digitalization to include charging systems for electric vehicles. By entering this new field, Siemens' operation in the Leipzig district of Böhlitz-Ehrenberg has yet again demonstrated its innovation and expertise in development, engineering and production. Orders have already been received for innovative Sicharge D rapid charging stations, which can charge up to five vehicles simultaneously. And low-voltage supply systems built in Leipzig are used across the world for example in data centres (the backbone of digital communications) and to expand the charging infrastructure at Aral filling stations in Germany.

HeiterBlick

HeiterBlick GmbH is a medium-sized, family-owned manufacturer of customized light rail vehicles and trams. It places great emphasis on innovative design combining efficiency with streamlined elegance and the highest standards of quality as it puts ultra-modern rolling stock on the rails. HeiterBlick GmbH is currently developing the first hydrogen-powered tram anywhere in Europe, paving the way for the climate-friendly future of public transport - because hydrogen-powered trams make it easier to connect outlying urban areas. HeiterBlick delivers vehicles to public transport operators in various cities including Hanover, Bielefeld, Leipzig, Halberstadt, Dortmund and Würzburg. The roots of HeiterBlick, which employs around 150 people, lie in the main repair shop of Leipzig's public transport operator LVB, founded about a century ago in the district of Heiterblick.

_ www.heiterblick.de





Diplomas awarded at RB Leipzig's stadium

Every year, between 150 and 300 skilled tradespeople in the Leipzig region earn their master craftsperson's diploma. Most of them acquire their expertise at the education and technology centre of the Leipzig Chamber of Small Industries and Skilled Trades. The annual ceremony when their diplomas are awarded is enough to give anyone goose bumps! For the first time, in 2021 the event was held outdoors at RB Leipzig's football stadium. Once again, the qualified apprentices also enjoyed financial recognition from the government of Saxony in the form of a €1,000 bonus.

Skilled trades: A robust sector

More and more companies in more and more trades felt the effects of the coronavirus pandemic during the year — and the smaller the business, the greater the impact appeared to be. Nevertheless, the vast majority of skilled trades firms (85%) recently rated business as either satisfactory or good — just 10 percentage points lower than in the pre-Covid spring of 2019.

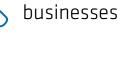
Looking back at the past twelve months, one in two companies had to cope with declining orders, on average by as much as a third. Once again, the building and finishing trades remained the exception, operating at 90 per cent capacity. Instead, they now have a different problem to cope with: the sudden price rises for building materials.

Many small businesses saw their turnover fall, with just two-thirds recording constant or higher sales figures. Hairdressers and beauty therapists, for instance, were hit very hard since they were unable to serve customers personally for several months. To make matters worse, their collapsing revenue was exacerbated by continuing overheads such as rent. Firms operating in trade show construction and public events (such as carpenters and butchers offering catering services) were also badly affected.

The economic recovery enjoyed in summer and autumn 2021 came to an abrupt halt when partial lockdown was reimposed in November. Nevertheless, the vast majority of businesses (81%) maintained their headcount or even hired additional staff. Employers responded to reduced orders primarily with furlough and asking staff to take overtime. Staff shortages were a problem for many businesses. Due to quarantine as well as the closure of schools and preschool centres, on average a third of employees had to reduce their working hours. All in all, however, the skilled trades proved to be a robust economic sector during the crisis.

Skilled trades firms in the Leipzig region:







11.5 firmsper 1,000 inhabitants
(9.4 in city of Leipzig)



€6.5bn turnover



Contact

Chamber of Small Industries and Skilled Trades Matthias Forssbohm (President) Volker Lux (Managing Director) Dresdner Str. 11/13 04103 Leipzig Tel: +49 (0)341 21880 Email: info@hwk-leipzig.de Service sector in and around Leipzig



78.6% of all registered employees



341,000

total employees



€23.7bn

gross value added

Source: Leipzig Chamber of Industry and Commerce, 2020 (only firms with more than 20 employees)

34 young trainees joined Sparkasse Leipzig in 2021 – a promising start to their careers.



Service sector:

Meeting business clients' needs

Service sector: Business picks up again

The situation in the service sector has considerably improved. With the abolition of coronavirus restrictions, many segments were finally able to get back to business with higher turnover and orders. Consequently, more than half of service providers are already reporting healthy business again. The business confidence index jumped from 15 to 43 percentage points. Accordingly, service providers have also substantially raised their business forecasts by 26 points, taking them out of the red up to 22 points. Business confidence is high and could herald a new expansionary phase.

Source: Economic survey by Leipzig Chamber of Commerce and Industry, 6–24 September 2021

Distinguished city of justice

Since German reunification in 1990, Leipzig has regained, developed and consolidated its historical reputation as a centre of justice. The local, financial, labour and social courts, the Saxon Constitutional Court, the regional court, the German Administrative Court, the

Fifth High Criminal Court of the German Supreme Court, the planned Forum Recht with its high public profile, and also the University's Faculty of Law give Leipzig an excellent position within the country's legal structure. Meanwhile, over 1,500 lawyers and solicitors in all areas of law represent the interests of their clients.

Sparkasse Leipzig: Powerful partner for the region

Local bank Sparkasse Leipzig's philosophy is about being close to its customers, creating value for the regional economy, and supporting public interests. Nearly 600,000 retail and business customers rely on Sparkasse for their finances. Operating in Leipzig and the districts of Greater Leipzig and North Saxony, its total of 75 branches, 42 self-service locations and even a mobile branch provide personal advice and service. And it also has a range of digital and mobile services, making Sparkasse Leipzig available on all channels. The bank is a reliable, powerful financial partner serving the people in the region. In 2020, it granted loans totalling €1,329.3 million, making it an important catalyst for the economy. And it's also the region's biggest sponsor. In 2020 alone, Sparkasse Leipzig donated about €3.1 million to good causes. At 31 December 2020, Sparkasse Leipzig's balance sheet total was €10.75 billion.



Leipziger Messe:

On the road to the future

Leipziger Messe used the downtime caused by the coronavirus pandemic to enhance its digital processes and expand its online reach. Whenever 'real world' events couldn't be held, trade shows and conventions were held online - and still went down well with exhibitors and participants. Nevertheless, face-to-face events - trade fairs and congresses, exhibitions and conferences - remain in high demand and are viewed as vital for trade and industry. To ensure the safety of all participants, visitors and employees, in 2020 Leipziger Messe developed its Safe Expo hygiene concept, which has since been successfully applied at its trade fairs and conventions and also updated in line with the latest Covid protection measures. Moreover, an agreement was reached with Leipzig hotels to minimize exhibitors' financial losses in the event of sudden lockdown. Meanwhile, in a survey carried out across Germany in 2020, Leipziger Messe was voted the service champion for the seventh time in a row. It also received the Green Globe in recognition of its activities as an environmentally sustainable company.

New business opportunities and initiatives

The volatile market situation also created new business opportunities which Leipziger Messe took advantage of. For example, it strengthened its portfolio by taking charge of another trade fair which is the global leader in its field: PaintExpo, the international industrial painting technology tradeshow. Leipziger Messe has several other new events, such as the dental expo Zahntechnik plus, which will make its debut in 2022. In a multi-round competition process, the International Broadcast Centre for UEFA Euro 2024 decided on Leipziger Messe as its location. In addition, Leipziger Messe played an important role during

the pandemic. It housed the City of Leipzig's Vaccination Centre and also opened the first Leipzig Covid-19 test centre at the New City Hall in March 2021.

Event business dominated by the pandemic

Leipziger Messe was one of the few trade fair operators in Germany able to hold exhibitions and conventions during a window of opportunity in autumn 2020. Nevertheless, the 2020 financial year was completely dominated by the coronavirus pandemic. In the end, only 119 of the some 280 events that take place in normal years could be held at the Leipziger Messe exhibition centre, Congress Center Leipzig and Kongresshalle. A total of 3.205 exhibitors and around 350.000 visitors attended events held in Leipzig as well as at other venues in Germany and abroad. Many events were postponed or cancelled due to the pandemic, which is why the group's turnover of €32 million was significantly below the previous year's figure (€99.6 million). As an employer, Leipziger Messe reacted promptly with an extensive programme of measures, such as furlough and working from home.

Strategic goals as a business platform

Leipziger Messe continues to adhere to its strategic goals of permanently positioning itself in the German top 10 and the global top 30. Even if many organizational aspects have been placed online, its business model of 'real world' trade fairs and conventions is not in question. Business deals are based on trust between partners — and this is something which can only be built up face to face. Consequently, trade shows and congresses remain crucial economic and trade platforms — not only for the private sector, but also for the entire region.

_ www.leipziger-messe.de

Leipziger Messe: 2020 ('the pandemic year') in figures



350,000

visitors



3,205

exhibitors



119

events



€32m

turnover



Contact

Leipziger Messe GmbH Management: Martin Buhl-Wagner (Managing Director) Markus Geisenberger Messe-Allee 1, 04356 Leipzig Tel: +49 (0)341 6780 Email: info@leipziger-messe.de www.leipziger-messe.de



WEMPE WARREN

Leipzig has the most attractive city centre

In a survey conducted among 58,000 visitors to 121 city centres by the IFH Cologne Institute of Retail Research, Leipzig clearly came out on top, achieving first place not only among big cities with over 500,000 inhabitants but also overall. This was one of the largest data-driven studies on the future of city centres in Germany.

Retail and hospitality:

Support for new prospects



Concept paper for the city centre



Using a combination of fresh ideas and a budget of €1 million, in 2021 and 2022 the City of Leipzig intends to revitalize its city centre and district centres by means of a series of individual measures. The aim is to make them more attractive to new target groups, and supplement shopping and hospitality with new highlights such as culture and communication. This concept is being implemented by the local authority together with Leipzig Chamber of Industry and Commerce and City Leipzig Marketing. Having prepared a joint study on the future of the city centre, they have selected the following schemes to be carried out in 2021 and 2022 under the management of the City of Leipzig:

- Family Summer on Burgplatz an open-air festival for families, young people, and creatives. Planning includes a stage for live entertainment as well as relaxation zones.
- To increase the attractiveness of the city centre, additional funding has been approved for installing benches and planting trees in particular areas. Also, the junction between Salzgässchen and Reichsstrasse is to be redeveloped in 2021/2022 by the addition of a playground as well as 13 trees and a number of benches. Total investment in this project is about €1.5 million.

- Appointment of a City Centre Management Team by local tourist board Leipzig Tourismus und Marketing GmbH to develop, coordinate and execute future projects to revitalize and transform the city centre.
- As part of the ideas competition entitled Leipzig Online Marketplace Plus, an online sales channel is to be set up for local retailers and services to augment their own retail shops.

www.leipzig.de/online-marktplatz

- Establishment of a centre fund with subsidies for activities in the city centre, district centres and high streets. Funding is being provided for additional events, individual store concepts such as showrooms and popup stores, and measures to make areas more attractive.
- The Market Office of the City of Leipzig is planning new event formats such as an expanded entertainment programme during the Leipzig Market Festival. It also intends to upgrade all weekly markets, for example by organizing stage shows or sustainability events, spotlighting regional producers and traders, and coordinating campaigns with partners such as the Leipzig Group, the municipal street cleaning and waste collection services, and the LWB housing association.

Network for digital innovation in hospitality

In the Foodservice Digital Hub, partners from hospitality, technology, industry and research are collaborating on innovative digital solutions and future scenarios for the foodservice sector. The network's activities revolve around the organization of digital thematic think tanks to address relevant topics and develop innovative,

market-focused concepts and applications. The network is funded by the German Ministry for Economic Affairs and Energy under its Central Innovation Programme for Central Germany and coordinated by the Chair of Application Systems for Business and Administration at Leipzig University.

_ www.foodservicedigitalhub.de



Lonely Planet recommends Leipzig as a top travel destination in Germany

Leipzig was delighted to be recommended as the top German destination in the recent book 'Lonely Planet's Top 250 List' for Germany published by Mairdumont. It presents the 250 most popular destinations in Germany on 288 pages — and puts Leipzig at number one. It's followed at numbers two and three by Lake Constance and the Elbphilharmonie concert hall in Hamburg.

Tourism:

The adventure begins in the city

Covid pandemic slows Leipzig's tourism growth

The effects of the Covid 19 pandemic clearly impacted Leipzig's tourism statistics in 2020. With a total of 984,503 arrivals and 1,959,147 overnight stays, Leipzig recorded a 49 per cent drop in arrivals and a 45.6 per cent decline in overnight stays compared to the previous year. These figures are joined by 1,593,178 overnight stays in the Leipzig region, a reduction of 25.2 per cent compared to 2019. Even so, when considering the fall in overnight stays in major German cities compared to 2019, Dresden and Leipzig suffered the smallest losses. Visitors to Leipzig in 2020 could choose from an average of 135 hotels with 19,562 beds. On average, visitors spent 2 days in the city — up slightly from 1.9 days in the previous year.

Cross-media campaign to attract families and couples

In order to whet people's appetites for a holiday in Leipzig and the region after lockdown, the local marketing board Leipzig Tourismus und Marketing GmbH ran a cross-media campaign in 2020 and again from April to June 2021 in Bavaria, Baden-Württemberg, Thuringia, Hesse and North Rhine-Westphalia. The slogan was "Leipzig: Where the adventure begins in the city" and was particularly aimed at families and couples. Concentrating on leisure, lakes, nature and active holidays, the campaign was flanked by 244 billboards in Nuremberg, Stuttgart and Mannheim as well as a competition.

_ www.leipzig.travel/familie

Restart accompanied by a new video: 'Leipzig: The right choice (nearly) always'

In Leipzig, the convention initiative "Feel the spirit ... do-it-at-leipzig.de", which has around 50 members, worked on an action plan to prepare the restart for the congress and conference sector. A three-minute film was produced presenting Leipzig's diversity in an unusual manner. In addition to familiar attractions like the Gewandhaus concert hall, Leipzig Opera House, and the Monument to the Battle of Leipzig, the film also included Porsche cars and the cool underground scene. People from various circumstances and ethnic backgrounds emphasized that there's no room for prejudice in Leipzig.

www.youtube.com/LeipzigTourismus

Exploring the Leipzig region: New tourist brochures 2020/2021

Anyone planning a holiday in the Leipzig region can obtain information on leisure activities from several travel brochures devoted to themes such as water sports, planning excursions, hiking and cycling. By the way, these brochures have also proved popular with locals, too!

2020 in figures



135

hotels and hostels



1.9 million overnight stays



19,562 beds

Contact

Leipzig Tourismus und Marketing GmbH Volker Bremer Augustusplatz 9 04109 Leipzig Tel: +49 (0)341710 4265 www.leipzig.travel www.leipzig.de



Major projects in Leipzig



2020 in figures



840

buildings completed



3,372

homes completed

As its name suggests, the Heeresbäckerei ('Army Bakery') housing development is located on a former barracks. Following extensive redevelopment, it comprises seven newbuilds and seven refurbished old buildings and hence combines a modern lifestyle with industrial charm.

Construction: A booming industry

The situation in the construction industry continues to be described as extremely good. Order books are generally full, allowing the construction industry to expand further, and capacity utilization in construction has also risen strongly in recent months. The business confidence index reached 61 percentage points, the highest among all the economic sectors surveyed. On the other hand, building contractors are still cautious regarding their business expectations. More than 70 per cent expect the level of business to remain unchanged in the coming months. As

far as business and turnover forecasts are concerned, optimistic and pessimistic voices balance each other out. Contractors are still struggling with the sharp rise in prices for steel, wood products and insulating materials, not to mention long delivery times. As a result, prices charged by building firms are rising across the board. The shortage of skilled workers is also becoming a problem for more and more employers.

Source: Economic survey by Leipzig Chamber of Industry and Commerce, 6–24 September 2021



Agriculture:

Organic farming on municipal land

Organic farming in Leipzig on the increase

The number of organic farms in Saxony continued to rise in 2020, reaching 856 and increasing the proportion of organically farmed land. This equated to 52 more farms than in 2019, an increase of 6.5 per cent. The share of organic farmland rose by 5,185 hectares (8 per cent) in 2020, meaning that 72,499 hectares (8.1 per cent of the agricultural land in Saxony) is farmed organically. In 2020, there were a total of 130 leases for urban farmland owned by the City of Leipzig with 66 agricultural tenants — six more than in 2019. Of these, two are completely practising organic farming and five others at least partially. Compared to 2019, the total leased farmland increased by 28 hectares to 1,838 hectares.

Overall strategy drawn up

In Leipzig, too, the share of organic farming is to be increased. For this reason, ecologically sustainable production methods are to be given preferential consideration when leasing urban farmland. On 22 January 2020, the city council tasked a steering group under the leadership of the Property Office with devising a general strategy with the assistance of IAK Agrar Consulting GmbH. As in many areas, the subsequent Covid pandemic unfortunately led to delays due to contact restrictions as necessary meetings couldn't take place or had to be postponed and replaced by digital alternatives. In the first major step, a 77-page overall strategy was put forward in May 2021. In addition to examining and defining concrete objectives, future procedures and legal frameworks, an initial set of criteria was proposed.

Assessment criteria

Similar to strategy procedures, the newly developed set of criteria could be used in future to evaluate potential farming tenants. It differentiates between requirements or minimum criteria that have to be met, and optional criteria, compliance with which increases the likelihood of being granted a lease in the event of competing bids. For example, bans on the use of sewage sludge and compost as well as genetically modified seeds are mandatory criteria. Optional criteria allowing potential lessees to score additional points include a willingness to undergo a sustainability evaluation or to demonstrably refrain from using pesticides on leased land. Similarly, the willingness of previously conventional farms to switch their production methods partially or even completely to organic farming could be rewarded with additional points.

In the interests of all current and prospective tenants, it's important to define the conditions under which future agricultural leases will be structured. This will give farms planning security, especially regarding investments. After a thorough examination of the overall strategy, the next step is to start working on a detailed strategy. This development process is to take place with the involvement of tenants, environmental groups, members of the public, the city council and scientists. Based on the overall strategy entitled 'Agriculture in the Urban Area of Leipzig', it should ultimately be possible to improve the chances of innovative agricultural systems to obtain access to farmland as well as to encourage existing farmers to improve their ecological credentials.



66 tenants of municipal farmland



130 farmland leases



33.5% of the total area of Leipzig





Investors welcome!

Leipzig has to be business-friendly and offer competitive conditions regarding location, employment and quality of life for all sustainable economic activities preferring an urban environment. Therefore, the development of Leipzig as a business location in association with its science and research institutions must be the common central task of all administrative departments and municipal enterprises.

The **6 S's** of successful, sustainable economic development

The Office for Economic Development always plans and acts in the interests of current and future businesses in Leipzig. Their aims are as diverse as the services provided by the team, who act as guides, consultants, moderators, coordinators, door-openers and even crisis managers!

We rely on the 6 S's of successful economic development.

Support: Every year we provide financial support for promising business ideas under for instance the SME Support Programme. By doing so, we help local small and medium-sized businesses to develop sustainably.

Skilled workers: We secure existing jobs, create new employment opportunities to increase productivity, and act as a link between the business community and municipal educational institutions training tomorrow's workforce.

Space: We develop and broker commercial space, improve the digital infrastructure, and enable research and business projects to get the space they need.

Solutions: We're the port of call for Leipzig's present and future employers. We provide support and advice on all questions regarding Leipzig as a business location, and also help them find their way around the various departments in the local authority



Subsidies: We secure the finances of the local authority by sustainably strengthening our local economy and its productivity.

Suggestions: We identify employers' needs and trends in business and research early on – and come up with suggestions and ideas on how best to proceed.

Contact

City of Leipzig Office for Economic Development Clemens Schülke (Head) Tel: +49 (0)341 123 5810 Email: clemens.schuelke@ leipzig.de www.leipzig.de

Economic support in figures 2020 to 2021



34 relocations and

expansions¹



2 roads built²



2,987 businesses supported in 2020



1,470 new jobs created¹



157 hectares of new business parks³



€6m in funding granted in 2020

- ¹ The expansion or relocation of certain companies to Leipzig such as Beiersdorf and Mercateo took place in conjunction with the Saxony Economic Development Corporation and Invest Region Leipzig GmbH.
- ² Hans-Weigel-Strasse and Paul-Beiersdorf-Strasse were completed in 2021. These schemes were carried out under the Saxon Ministry of Economic Affairs, Labour and Transport's GRW Joint Task 'Improvement of the Regional Economic Infrastructure'.
- ³ 43 hectares for Seehausen 2 completed in 2021; 14 hectares for Techpark Leipzig provided for in the development plan; development planning in process for 100 hectares for Radefelder Allee.



Support programme for growth and expertise in SMEs

The Office for Economic Development has a wide range of programmes of its own to support a competitive

economy in Leipzig. SMEs receive focused support to fill the gaps in national and regional aid programmes.

SME Support Programme

The City of Leipzig's SME Support Programme is a central pillar in its backing for economic development. The goal is to devise viable, promising solutions and financially support them whenever the resources of small and medium-sized enterprises are objectively insufficient. The programme was launched in 2013 to enable SMEs to make better use of their own potential – above all by means of innovation and technology based project funding – and hence boost their competitiveness. In 2021, the City of Leipzig doubled funding for its SME programme to €1.8 million per year. In addition,

the SME Support Programme was simplified by the Office for Economic Development and subdivided into just four schemes. Project support is now available for sustainable business growth, securing businesses in times of crisis, and business succession. Furthermore, subsidies are granted to skilled tradespeople who set themselves up in business after qualifying as master craftspeople as well as others with especially inventive business concepts. Founders are also eligible for assistance as they take their first commercial steps in Leipzig.











Results since 2013



1,100 firms helped



€6,000 average subsidy



80% of applications approved



€1.8m total funding per year

Support for sustainable growth

The Office for Economic Development aims to strengthen companies to make them more competitive nationally and internationally by developing new goods or services, entering new markets, modernizing their internal processes, or expanding their business premises in Leipzig. Support projects are intended to significantly increase turnover with customers outside Leipzig. Particular attention and higher funding are provided to projects that demonstrably pursue

socially or ecologically sustainable goals or otherwise strengthen the regional economy. Projects boosting ecological sustainability may also qualify for higher funding if project-induced sales growth is achieved with customers from Leipzig. Since January 2021, the City of Leipzig has awarded funding to companies of up to €70,000 annually. However, projects are only supported if no funding is available from national or regional government.

Centres Fund: Making the city centre, district centres and high streets more attractive

City centres, district centres and high streets are the heart and soul of economic, cultural and social life in Leipzig. However, businesses have come under pressure from the Covid pandemic, online retail and demographic change. The City of Leipzig has therefore taken measures to make the city centre more attractive as well as to fund other initiatives with the same aim. One of these schemes is the Centres Fund, designed to support the revitalization of the city centre and district centres. The City of Leipzig is taking steps to make these areas more attractive as well as to aid businesses and institutions with ideas for the temporary use of vacant premises or which launch events to boost the retail sector.

Cluster support in 2020/21

Cluster support revolves around the strengthening and presence of Leipzig networks.



53 projects supported



1,200 firms helped

Contact

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mittelstandsprogramm



Contact

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MetropolregionM

European Metropolitan Region of Central Germany

The EMMD European Metropolitan Region of Central Germany brings together around 85 key corporations, local authorities, business chambers and professional associations from the federal states of Saxony, Saxony-Anhalt and Thuringia with the shared aim of promoting the successful development and marketing of central Germany as a region with a strong economic, scientific and cultural heritage. To this end, the EMMD

initiates and implements forward-looking projects in the areas of structural transformation, mobility, regional development, innovation support and location marketing. In addition, the EMMD sees itself as a transregional action and networking platform and also as a driver for the use of innovative technologies and new cooperation models.

_ www.mitteldeutschland.com





INVEST REGION LE PZIG

Invest Region Leipzig GmbH

Chamber of Industry and Commerce, and the districts of Greater Leipzig and North Saxony, Invest Leipzig GmbH is the relocation and acquisition agency for the dynamic Leipzig economic region. Its mission is to persuade companies from Germany and abroad of the ideal conditions in Saxony for doing business and support them as they enter the market. This is done by focused location marketing, approaching potential candidates, and discreet individual support for interested companies throughout the entire process. Thanks to

A company owned by the City of Leipzig, Leipzig

local cooperation with the member organizations, business development agencies and network partners of the Leipzig region, offers of suitable premises tailored to investors' requirements are compiled by Invest Region Leipzig. IRL can look back on 100 new relocation and expansion projects in the Leipzig region since its foundation, resulting in over 2,000 new jobs. IRL also has branches in the United Kingdom and Vietnam in order to approach foreign investors and help companies from the Leipzig region access foreign markets.



100 relocations and expansions



Contact

Invest Region Leipzig GmbH

Key international markets in focus

Leipzig's Office for Economic Development is always intensifying its contacts with businesses and organizations abroad. Delegations of employers to key foreign markets strengthen the exchange of information. This is an area where the Office for Economic Development works closely with the European and International Relations Cooperation Office as well as other partners from higher education, trade and industry, and the business chambers.



Brochure on Leipzig's collaboration with Vietnam

Leipzig is formally twinned with Ho Chi Minh City

On 21 July 2021, Leipzig City Council sealed the new twinning agreement between Leipzig and Ho Chi Minh City in the presence of the Vietnamese ambassador, Dr Nguyen Minh Vu. This is Leipzig's fifteenth twin town agreement — and Ho Chi Minh City's fifty-third. This partnership is bound to be one of the most active, for Leipzig and Ho Chi Minh City (which has a population of 11 million) have been in close contact for a long time. In addition to the traditional relations with the European and International Relations Cooperation Office, there are already many ties with the Office for Economic Development. In addition, Ho Chi Minh City has associations with Leipzig University, hospitals, cultural and educational partners, and the private sector in Leipzig.



International Innovators Award

The SEPT Competence Centre of Leipzig University and the Office for Economic Development have been active together in Ho Chi Minh City since 2015, offering young, innovative startups from Vietnam the chance to tap new markets in the European Union and in Leipzig in particular. To this end, the International Innovators Award.

organized in conjunction with the University of Economics in Ho Chi Minh City, was held on 18 November 2021. Six finalists explained their business models to an international jury. From the original total of 30 applicants, three winners were chosen to present their pioneering business ideas — a skin-friendly shaving cream,

household items made from recycled beverage cartons, and straws made from grass — on the German market. All the winners will be invited to Leipzig in 2022 to explore market opportunities.

6th Japan Day in Leipzig

On 15 October 2021, Japan Day was held in Leipzig for the sixth time. Jointly organized by the Office for Economic Development and the Leipzig German—Japanese Society, and held at Gohlis Palace, it gave around 65 guests from Japan and Leipzig an opportunity to expand existing business ties and network. It was formally opened by Burkhard Jung, the Mayor of Leipzig, in the presence of His Excellency Hidenao Yanagi, the Japanese Ambassador. The close business ties between Leipzig and various Japanese cities built up over the past fifteen years will be continued and expanded in 2022.



Leipzig on the international stage



Eurocities Annual Conference and General Assembly

Coinciding with the World Climate Summit in Glasgow, Leipzig hosted the Annual Conference and General Assembly of Eurocities for its over 200 European member cities from 3 to 5 November 2021. During the pandemic, the network's strength was underscored by direct contact, solidarity between cities, and cooperation between decision-makers. In other areas, the unanimous message from Leipzig was that the fight against climate change can't be won without cities. Under the title 'The Power of Cities - Transforming Society', the mayors discussed aspects of a socially balanced, climate-conscious, mobile and digital urban future with representatives of relevant organizations, the general public, and top European politicians. Leipzig provided important stimulus for cities geared towards the common good with its new Leipzig Charter.



Twin towns

Addis Ababa, Ethiopia |
Birmingham, UK | Bologna,
Italy | Brno, Czech Republic |
Frankfurt am Main, Germany
| Hanover, Germany | Herzliya,
Israel | Ho Chi Minh City,
Vietnam | Houston (Texas),
USA | Kiev, Ukraine | Kraków,
Poland | Lyon, France |
Nanjing, China | Thessalonica,
Greece | Travnik, Bosnia and
Herzegovina



District partnerships

Althen-des-Paluds, France | Pays des Herbiers, France

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Flying the flag for peace

The Mayors for Peace network campaigns for a peaceful world without nuclear weapons. After the atomic bombs that destroyed Hiroshima and Nagasaki, the Mayors for Peace was founded to commemorate the victims and to appeal for global nuclear disarmament. Cities and municipalities from 163 countries are now represented in this NGO, which includes over 600 German members.

On its annual Flag Day, members around the world show their support and shared commitment to the values and goals of Mayors for Peace by raising the peace flag. In 2021, the City of Leipzig once again participated in this special day with representatives of the city council, peace organizations and the general public — and flew the flag.





Leipzig and Kiev: Twin towns for 60 years

In 2021, the twin town agreement between Leipzig and Kiev celebrated its sixtieth anniversary. The twinning agreement was signed in 1961, making Kiev Leipzig's oldest twin town — and starting a relationship which is still relevant and alive today. The two cities have been shaped by their shared history pf political upheaval, social change, and structural transformation in the 1990s. In this jubilee year, several events were held in the fields of culture, science, education, business and politics, including concerts, exhibitions, youth exchange projects, public get-togethers and network meetings. The highlight in Leipzig was the Kiev Festival from 8 to 12 October, while thoughts are now turning to the upcoming Leipzig Project Week from 22 to 29 May 2022 in Kiev.





Leipzig-Kiew: Polyphony of a Twinning Agreement (brochure)



Consulates general

Russian Federation | United States of America



Honorary consulates

Armenia | Belarus | Bosnia and Herzegovina | Estonia | France | Italy | Liberia | Malta | Mexico | Norway | Poland | Romania | Sweden | Slovakia | Uganda



Cultural institutes

Institut français Leipzig |
Confucius Institute Leipzig |
Polish Institute Berlin, Leipzig
branch | German-American
Institute Saxony | Moldova
Institute | GermanVietnamese House



Collaborative partnerships

Gdansk, Poland | Gwangju, Korea | Lviv, Ukraine | Moscow, Russian Federation

Twin town ties during the pandemic

During the Covid-19 pandemic, Leipzig's twin town partnerships were largely confined to the virtual realm. Solidarity between cities became more important than ever. When Leipzig needed medical personal protective equipment in 2020, Ho Chi Minh City (Leipzig's new twin town since July 2021) in Vietnam helped with a large shipment of PPE, while the Vietnamese community in Leipzig sewed masks for public use. It goes without saying that Leipzig then responded to calls for help from other twin towns. It sent urgently needed masks and disinfectant to the Polish city of Kraków at the end of 2020, over 100 nursing and hospital beds to Kiev in Ukraine in 2020 and 2021, and PPE to Travnik in Bosnia and Herzegovina. Leipzig also lent assistance to Travnik, Addis Ababa (Ethiopia) and Ho Chi Minh City as they stepped up their testing capacities and corona awareness campaigns. This was made possible by extra funding to control the pandemic from the German Ministry for Economic Cooperation and Development.



Smart Infrastructure Hub de:hub

The hub of the future in Leipzig

With its Smart Infrastructure Hub, Leipzig was chosen to be one of the twelve locations of the Digital Hub Initiative launched by the German Ministry for Economic Affairs and Energy. Leipzig was given the go-ahead due to its growing startup scene collaborating with established, financially secure companies as well as the involvement of cutting-edge research from the region. The aim of the Smart Infrastructure Hub is to become an

internationally recognized centre of digital transformation in the fields of energy, smart city, e-health and general-purpose technologies.

The four areas addressed by the Smart Infrastructure Hub









The four pillars of the Smart Infrastructure Hub

SpinLab - the HHL Accelerator

SpinLab supports commercial and innovative startups with sustainable growth which are looking to scale up their business activities. With a strong hands-on mentality and plenty of passion, the SpinLab team works hard to ensure that promising young firms get the necessary resources and enough professional support for long-term success on the market. SpinLab's excellent track record includes support for 91 startups, 37 businesses setting up shop in Leipzig, more than 920 new jobs, and over €110 million in venture capital invested by prominent investors from Germany and abroad.

RCI Research Center Sustainable and Smart Infrastructure

The RCI Research Center Sustainable and Smart Infrastructure is the research network of the Smart Infrastructure Hub. It consists of Leipzig University, HTWK Leipzig University of Applied Sciences, HHL Leipzig Graduate School of Management, and the UFZ Helmholtz Centre for Environmental Research. In the RCI network, experts in conventional infrastructure research working alongside specialists in the fields of

digitalization and artificial intelligence jointly explore fields such as smart city, energy and e-health. In addition, the RCI is a central portal for businesses and local authorities to Leipzig's research infrastructure. The services provided for clients range from putting them in touch with the experts they need to providing access to scientific services, laboratories and data repositories.

Research and Innovation Centre

A joint project with the City of Leipzig, the Research and Innovation Centre will have premises of about 5,500 square metres where players in the established economy can share ideas with startups, politicians and researchers, and translate them into practice.

Smart Infrastructure Ventures

Smart Infrastructure Ventures is an early-stage fund with investment capital in the low double-digit millions. This Leipzig-based venture capital fund currently has six successful investments in its portfolio.

SpinLab - The HHL Accelerator: Support programme for startups



RCI Research Center Sustainable and Smart Infrastructure: Research network of Leipzig University, HTWK, HHL and UFZ

New building for a research and innovation centre on the premises of Spinnerei, a former cotton mill





Smart Infrastructure Ventures: Early-stage fund



First pilot projects already implemented

Low-emission aerial inspection of power lines

Working with network operator MITNETZ STROM, FlyNex has developed digital drones which can be used to survey power lines over a distance of around 20 kilometres without the need for an active pilot. Both pylons and cables can be examined, and the data gathered is used to log their condition. Pylon numbers can also be identified by means of artificial intelligence. This new solution slashes the noise and emissions usually entailed by inspecting power lines. Moreover, it can be used to monitor other facilities such as gas supply networks as well as for cartographic applications and to support construction projects. It could even provide services such as delivering medicines.

Projects in the RCI research network

SUSIC

In the SUSIC (Smart Utilities and Sustainable Infrastructure Change) project, Leipzig University, HTWK Leipzig University of Applied Sciences, and InfAl Institute for Applied Informatics are using computer-based tools to support transformation processes of municipal and regional infrastructure systems. The main focus is on energy and water supplies.

SARDINE

In the SARDINE (Smart Regional Development Infrastructure) project, Leipzig University and HTWK Leipzig University of Applied Sciences are developing a web-based data platform for geodata which can be accessed by various actors, including local authorities, businesses, and the general public. Features include the geo-referencing and display of text and sensor data in a graphic interface for further use. The object of research is former open-cast lignite mines in the Lusatian and Central German mining districts.

Optimized ticket inspection on public transport

Indeework, one of the Smart Infrastructure Hub's startup alumni, has implemented improved route planning in conjunction with public transport operator LVB for use by ticket inspectors. An app is used to plan the routes taken by inspectors so that they can be distributed around the network as evenly as possible. This avoids trams and buses being checked by multiple inspectors. In addition, inspectors' preferences regarding where they want to board and alight can be taken into account.

Smart City Challenge Leipzig

In cooperation with the City of Leipzig, the hub's Smart City Challenge Leipzig is a competition in which researchers and founders develop solutions to specific problems facing Leipzig as it evolves into a smart city.

Area!L

The Area!L project brings Leipzig's scientific community together with local authorities and the private sector in the Leipzig region and other nearby districts. The aim is for them to take responsive, sustainable, smart action as they work together to solve structural, energy and climate change problems. Area!L is being carried out under the auspices of T!Raum — TransferAreas for the Future of Regions.

_ www.area-l.de

The findings are translated into practical applications through systematic support for over 540 spin-offs via the multi-university SMILE initiative and the EXIST-Potential programme, collaboration with local authorities, and the targeted expansion of economic partnerships. RCI is in close touch with economic partners and decision-makers from politics and local authorities to identify and tackle new fields of research in smart infrastructure, including at its 'smart events'.



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Research Center Sustainable and Smart Infrastructure Angelika Bordt Email: angelika.bordt@ uni-leipzig.de www.smart-infrastructureresearch.de







Smart City Challenge Leipzig 2021



32 entries



winning ideas

Contact

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Digital City Unit: Responsibility for future-readiness

The Digital City Unit shapes digital transformation by planning and enabling digital projects in urban space. It develops guidelines, defines interfaces, and promotes the networking of the administration with the Leipzig Group, urban society, the scientific community and the private sector.

Working with these partners, the Digital City Unit implements cross-disciplinary and cross-sectoral projects and devises its own funding applications. Its activities range from the strategic and conceptual anchoring of digitalization tasks in the Integrated Urban Development Concept for Leipzig 2030 to the initiation, coordination and implementation of projects associated with the digital city.

'Smart City Challenge Leipzig 2021': Digital innovations for tourism, environment and civic participation

In 2021, the City of Leipzig teamed up with the Smart Infrastructure Hub to hold the Smart City Challenge Leipzig. Applicants submitted ideas for digital solutions in three areas: 'Virtual interactive tour of Leipzig for the whole family', 'Seeing and understanding urban environmental data' and 'Innovative networking of participation models'. Three winning ideas were selected from 32 entries.

All three ideas were granted funding of up to €25,000 by the Digital City Unit. The following digital solutions were trialled in a six-month implementation phase.

cityscaper: App for public involvement in urban planning

Using the augmented reality app from cityscaper, Leipzigers can send their ideas for the design and improvement of public spaces directly to the local authority. Proposals are vividly shown on the app, simplifying communication between members of the public and the administration.

_ www.cityscaper.de

DroidSolutions: App for virtual sightseeing tours for families

The app from DroidSolutions delivers a unique virtual sightseeing tour for families. Guided by Leipzig's heraldic animal Leo Lion, parents can visit various sights in the city centre with their children on flexible routes. The information on the sights is prepared appropriately for every age group.

_ www.droidsolutions.de

Hawa Dawa: Software for the easy-tounderstand presentation of environmental data

This software developed by Hawa Dawa analyses and clearly presents satellite data on, say, air quality, the weather and the pollen count. The aim is to display environmental data to the general public and to make people more aware of for example the environmental pollution caused by vehicle emissions.

_ www.hawadawa.com/de

The competition will next be held in 2022 with different topics.

_ digitalcampus.leipzig.de/ innovationswettbewerb



Specialists for tomorrow's economy

Even in a pandemic, Leipzig's economic development requires well-trained skilled workers in all sectors. To meet this need, the city administration — working with the German Employment Agency, trade associations, and the system of apprenticeships — plays a coordinating role and also enacts specific projects with the private sector. As well as supporting skilled workers, the City of Leipzig also helps people in particular need of support to make it easier for them to find employment on the primary labour market. For example, special strategies created special jobs for parents. These activities are particularly enabled by the constant hard work of all the partners in their implementation of the German Participation Opportunities Act.



The Office for Employment Policy coordinates systematic and practical careers guidance to help all young people choose the future that's right for them. Example projects and competitions kindle participants' enthusiasm for science and technology and even cooperation between humans and robots. A joint initiative with the Schools—Industry Working Group offers school students work experience during the school holidays.

_ www.leipzig.de/berufsorientierung.de

Digital careers advice

To enable young people and their parents to talk to training companies despite the pandemic, digital careers



Vocational training in Leipzig prepares people for a secure professional future.

guidance formats are catching on, such as 15-minute talks with Leipzig training companies by phone or video chat in over 100 different occupations. 'Look inside! — Open Week in Saxony' also livestreamed fascinating insights into the world of work.

_ www.schau-rein-sachsen.de

Training Night

Youth-friendly formats for career guidance, such as nocturnal excursions into the world of work, provide an exciting look at the activities of companies of all sizes. Forty corporate routes are already planned for the coming year.

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Local training for skilled workers

Companies' training efforts are assisted in many fields by the Leipzig Skilled Workers' Alliance. Collaboration between businesses, schools and higher education is intensified in a manner based on the Saxon Strategy for Skilled Workers 2030 and supported by the Saxon Ministry of Economic Affairs, Labour and Transport. Activities include the development and implementation of retention factors for foreign students, vocational training, and helping

companies and employees to deal successfully with digital transformation.

Anticipating the digitalization of work

Successfully accomplishing digital transformation for the private sector and employees is also the aim of the Digital Work Centre. Managed by the youth organization 'Arbeit und Leben' and funded by the German Ministry of Labour and Social Affairs and the

Saxon Ministry of Economic Affairs, Labour and Transport, the Digital Work Centre compiles and carries out training programmes for the region. Meanwhile, companies and trainers were brought together at the conference 'Learning to Learn' organized by the ACOD Automotive Cluster for East Germany and funded by the Leipzig Alliance of Skilled Workers.







2,500 business collaborations



70 active schools





Hans-Weigel-Strasse Industrial Estate upgraded

The 30-hectare site, which is currently home to 15 industrial companies with more than 600 employees, has been upgraded to give it first-rate transport connections, modern telecommunications, and an efficient electricity, gas, water and sewage infrastructure. The companies there benefit from their newly modernized location and plan to expand. German Pneumatics Engineering GmbH has already submitted a planning application for a new industrial unit, which it intends to build on an adjacent brownfield site. Chespa Flexosysteme GmbH has also announced new investments. The neighbouring site once occupied by a railway repair shop is now connected to the road network, paving the way for a fresh start here, too. The total project costs of €4.2 million have been funded by the Saxon Ministry of Economic Affairs, Labour and Transport under the GRW Joint Task 'Improvement of the Regional Economic Infrastructure' (85%) and the City of Leipzig (15%).

Financial backing to strengthen the regional economy

Project-based and individual commercial support

The primary goals of public subsidies under the GRW Joint Task 'Improvement of the Regional Economic Infrastructure' are to create new jobs and secure existing, competitive ones. Financial support is provided for commercial investments and business-related infrastructure schemes. Assistance is also available for

the construction and improvement of resources as well as the diversification of production, the modernization of manufacturing operations, and upgrading the regional infrastructure. This funding is mainly awarded to SMEs and is intended to help tap the endogenous regional development potential.

Broadband upgrade: High-speed internet for 2,500 homes, 350 businesses and 150 schools

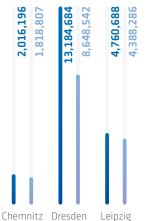
On 22 July 2021, the City of Leipzig and HL komm Telekommunikations GmbH (PŸUR Business), part of Tele Columbus AG, held a symbolic groundbreaking ceremony for the start of fibre-optic expansion in Leipzig. The first connections were due to be installed in 2020. Work on the

related projects put out to tender by the City of Leipzig will continue until mid-2022. The completion of this scheme will enable private households, businesses and schools to connect to the high-speed fibre-optic network with bandwidths of up to one gigabit per second.

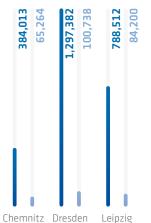
GRW funding for the private sector

Excluding projects that have been cancelled or completely withdrawn. 1 Oct 1990 – 31 Dec 2020 (figures correct as of 31 August 2021)

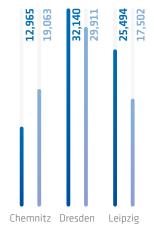
198 (€'000) Eligible investment (€'000) 198 (€'000)





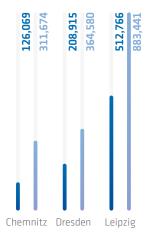


New jobs Jobs saved



GRW funding for businessrelated infrastructure





Funding for research and technology

The Free State of Saxony uses a variety of funding programmes to aid businesses, universities and research centres with R&D and technology transfer. Apart from the usual technology funding programmes (financed by the ERDF European Regional Development Fund and the Free State of Saxony), technology funding from the ESF (the European Social Fund) is available to Saxon companies under the programmes InnoExpert, InnoTeam and Transferassistent. Saxony uses this funding to help above all SMEs recruit personnel to conduct R&D. introduce internal innovation management. and carry out technology transfer tasks. All in all, in 2020 the Saxon Ministry of Economic Affairs, Labour and Transport approved grants for 442 research and technology projects totalling about €64 million under the above-mentioned schemes. They include 76 projects by enterprises, universities, non-university research institutes and other beneficiaries operating in Leipzig, for whom grants of around €9 million were approved.

Funding for research and technology in 2020 (€'000)

	Leipzig, Stadt	Sachsen, gesamt
Approved funding	8,525.70	63,563.91
Of which:		
R&D projects (individual and joint)	4,752.16	27,299.69
Regional technology funding and		
HORIZON bonus	1,311.56	14,918.73
InnoExpert	1,527.56	5,351.47
InnoTeam	581.30	3,415.30
Innovation Bonus	286.17	3,330.30
KETs pilot lines	0.00	6,656.72
Technology transfer	0.00	2,126.60
Transfer Assistant programme	67.50	465.00

Source: State Ministry of Economic Affairs, Labour and Transport of the Free State of Saxony

S-Beteiligungen: Capital for growth, innovation and digitalization

Sparkasse Leipzig's investment entities known as 'S-Beteiligungen' invest in regional SMEs to help achieve the growth, visions and innovations of local employers. By the end of 2020, they had invested a total of over €94 million in central Germany, including over €6 million in 2020. As a result, more than 125 firms have managed to bring their foundation and expansion plans to fruition. Investments for growing companies range between €500,000 and €2.5 million. The S-Beteiligungen act as management partners for

the WMS growth fund Mittelstand Sachsen Plus, which provides equity to innovative, promising, growth-focused companies in Saxony, and produced another €85 million for Saxon SMEs in 2020 under WMS III. As a management partner for the TGFS Technology Venture Capital Fund in Saxony, the S-Beteiligungen strengthen young, innovative tech companies with venture capital. They are currently investing in firms with a total of about 1,420 employees.

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Promoting cooperation between research and industry

The Leipzig Foundation for Innovation and Technology Transfer supports projects likely to stimulate economic development in Leipzig and bring about lasting change. It concentrates its activities on transferring knowledge and technology between research and industry. Funding is provided for new products and processes in and for Leipzig companies. The aim is to support the regional economy, to adapt it to rapidly changing market requirements, and to advance and keep pace with digitalization. In addition, young people are encouraged to improve their skills in mathematics and technology. Between 2001 and 2020, projects were funded to the tune of around €11 million.

_ www.leipziger-stiftung.de

Technology Scouts

AGIL GmbH has successfully ran the pilot project Technology Scouts on behalf of the City of Leipzig and Leipzig Chamber of Industry and Commerce from 2013 to 2020.

_ www.agil-leipzig.de

Contact

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Public procurement contracts

Leipzig's tenders website



Procurement of works and services

In 2020, the following procurement procedures for works and services were carried out by the City of Leipzig's purchasing offices and the Central Tender Department:

- _ 37 public tenders
- _ 21 open procedures
- **_** 3 negotiated procedures with competition
- _ 2 negotiated procedures without prior publication
- _ 42 direct awards (value exceeding €25,000)

Under Section 19(2) VOL/A (German works and services procurement rules), information about direct awards exceeding €25,000 was posted on

_ www.evergabe.de

Procurement from regional businesses pursuant to VOL/VgV

In the 105 procurement procedures in 2020, 260 contracts with a total value of €168.09 million were awarded for works and services. Of these, 127 contracts (48.85 per cent) went to bidders from the Metropolitan Region of Central Germany while 104 (40 per cent) were awarded to firms from Leipzig, Greater Leipzig and North Saxony.

The proportion of total procurement by financial volume won by businesses from the Metropolitan Region of Central Germany was 70.68 per cent — and 47.13 per cent for Leipzig firms.

Total procurement in 2020 was over €46 million, higher than in the previous year. This was mainly due to the fact that in 2020, catering for schools and preschool centres with a total value of €121 million was put out to tender.



Waste Management Services

Delivery of a wood chipper on a trailer chassis.

Procurement of building works

Construction procurement

In 2020, the following tenders for works and services were conducted by the City of Leipzig's procurement offices and the Central Building Tender Department:

- _ 426 public tenders
- _ 125 open procedures
- _ 11 restricted procedures
- _ 20 direct awards

The total number of tenders in 2020 was 582, down from 764 in 2019.

Procurement from regional firms

In the 582 tenders, 542 contracts with a total value of €118 million were awarded for the relevant periods. All in all, 320 contracts (59 per cent) were awarded to bidders from the Metropolitan Region of Central Germany (including the district of North Saxony) while 261 went to firms from the City of Leipzig and the districts of North Saxony and Greater Leipzig (48 per cent). The proportion of total procurement by financial volume won by companies from the Metropolitan Region of Central Germany (including the district of North Saxony) was about 64 per cent, compared to some 52 per cent for bidders from Leipzig, Greater Leipzig and North Saxony. In 2020, total procurement dropped by about €197 million compared to 2019 (€315 million). This was chiefly due to the framework agreements signed in 2019 for the maintenance of municipal buildings with a term of two to four years, the construction of a new grammar school on Mannheimer Strasse, and a new secondary school in Wiederitzsch.



Paperless procurement management

In 2018, new tendering software known as eVergabe was introduced to replace the program used since 2006. As a result, the City of Leipzig's tender management as well as communication with bidders is now almost exclusively paperless. The efficiently organized municipal tender management system ensures that budget funds earmarked for investment projects are used economically and contributes to achieving a balanced budget. The new tender software was introduced step by step from October 2018. Starting with EU-wide procurement, since then only digital tenders have been accepted. National public tenders (public tenders, open procedures, restricted procedures) followed suit. Bidding is brisk for construction procurement on eVergabe.de. A total of 2,581 bidders participated digitally in the 582 tenders carried out in this way in 2020.

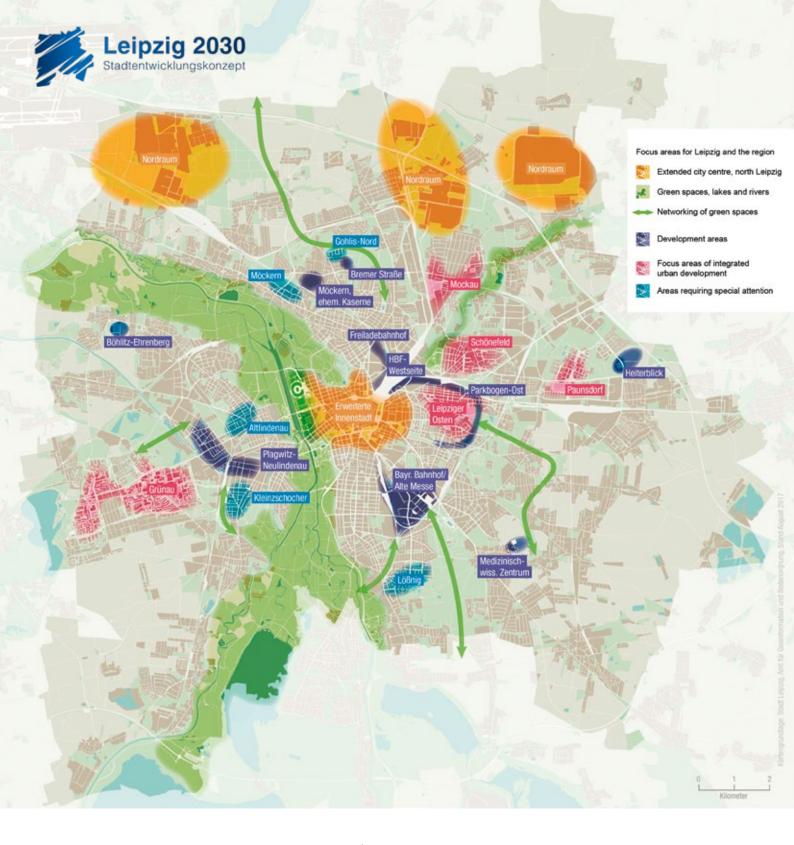
The Traffic and Civil Engineering
Office supported the roadside
development of Seehausen 2
Industrial Estate. Beiersdorf AG is
investing here in a new production
plant and a logistics hub for Europe.
About 600 jobs are to be created.



A skate park has been built in the district of Grünau.



Barnet-Licht-Platz Comprehensive School is the first school in Leipzig to have been built from wood. It was opened in 2020.



Projects and prospects

The availability of land and infrastructure is essential if a growing municipality is to be able to function. Given Leipzig's expected long-term growth, it's important to secure suitable development areas today so that the necessary action can be taken tomorrow and the day after. The aim is therefore to safeguard future development options by means of strategic land banking and an active real estate policy.

The property market in 2020: Booming stability

In 2020, the Leipzig property market defied Covid-19 and continued to boom. At €3.279 billion, the transaction volume was only slightly below the record achieved in 2019 of €3.431 billion. As in the previous year, the highest turnover was recorded for land with buildings.

Vacant land: Upwards trend

Vacant, undeveloped land remains a strong stabilizing factor for the Leipzig property market. Financial turnover in this segment rose by about 26 per cent while the average price for single-family plots was €171,000 for an average area of 630 square metres, reflecting rising prices. The situation regarding plots for multi-storey building is mixed. Although there were only isolated significant price increases reminiscent of 2016 to 2018, the price level overall rose in this segment, too. The area-weighted average value of all land value zones for multi-storey buildings in Leipzig at 31 December 2020 was around €790 per square metre, representing a 13 per cent increase on the previous year. The standard land values are posted online at:

www.bodenrichtwert.leipzig.de.

Developed plots: Lower turnover, higher prices

In 2020, considerably fewer high-turnover properties were sold in Leipzig. Accordingly, total turnover fell by almost 20 per cent. Although the number of transactions decreased slightly compared to 2019, prices rose. In 2020, buyers paid an average of $\[\in \]$ 1,963 per square metre for apartment buildings, 15 per cent more than in the previous year. The trend was very similar for unrefurbished apartment buildings, where the average price was $\[\in \]$ 1,385 per square metre, an increase of 20 per cent on the previous year.

Commercial property: Higher turnover, less space

In 2020, total turnover for undeveloped commercial building plots was about €61.7 million. While the number of purchases remained stable and turnover increased by 25 per cent, the total space involved declined by 41 per cent. On average, buyers paid €84 per square metre, 12 per cent more than in 2019. For developed commercial land, although the number of purchases remained stable, turnover fell by a significant 56 per cent. One reason for this is that there were fewer individual sales of commercial buildings with residential use.

Residential property sales driven by apartments

The residential property segment continued to dominate the market in Leipzig in 2020, accounting for 78 per cent of all transactions and about 50 per cent of total turnover. The market was fuelled by refurbished owner-occupied apartments, which made up over half of all sales. Even so, prices varied enormously, ranging from €563 to €5,011 per square metre and averaging €2,112, up by 16 per cent compared to the previous year. Newly built condominiums including a parking space cost an average of €4,874 per square metre of living space in 2020 for first sales (14 per cent higher than in 2019). The resale of refurbished apartments generated as much as €2,339 per square metre on average (up by 23 per cent on the previous year). Owner-occupied apartments in prefabricated slab buildings were cheaper at an average of €1,480 per square metre (15 per cent more than in the previous year). In 2020, parking spaces cost an average of €10,350 in underground car parks and €7,800 outdoors. For brand new parking spaces sold in connection with residential newbuilds, buyers paid an average of €30,500 for an underground parking space and €15,350 outdoors.

7 good reasons for Leipzig

- 1 Fastest-growing city in Germany
- **2** 42 per cent more registered employees since 2005
- **3** Housing vacancies below 3 per cent
- **4** High demand for modern commercial property
- **5** Significant investments by industry and federal authorities
- **6** Large supply of building land, including in central locations
- **7** Business-friendly administration offers high planning reliability

Property market: Research, statistics, forecasts



Average prices in 2020

€84 per sq. m
 €793 per sq. m
 Plots for multi-storey residential buildings
 €273 per sq. m
 Plots for detached houses

Average property prices

_ €1.963 per sq. m Refurbished apartment buildings

_ €1.385 per sq. m Unrefurbished

apartment buildings

_ €4.889 per sq. m Refurbished apartments

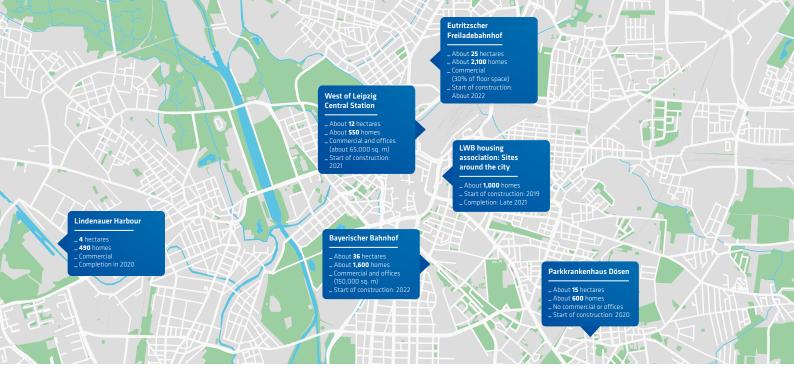
(first sale)

_ €4.874 per sq. m Apartments in newly

built residential complex

Source: City of Leipzig Valuation Committee, 25 February 2021

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Major infill projects close the gaps in Leipzig

Urban development and regeneration in the growing city entail controlling the quality of investment in housing construction (\in 6.6 billion) and technical infrastructure (\in 4.5 billion) while preserving and developing the city's strengths and harnessing momentum to reduce weaknesses. In order to manage the growth anticipated until 2030, at least 50,000 additional homes will be needed from a combination of refurbishment, brownfield development and urban expansion.

Löwitz district takes shape west of Leipzig Central Station



A brand new district is emerging on an area of more than 12 hectares between Leipzig Central Station, Kurt-Schumacher-Strasse, and the River Parthe. The impetus for the development of these brownfield sites came from the sale of the land by Deutsche Bahn to property developer Leipzig 1 GmbH. In 2019, the site changed hands. The new owner - the renamed Leipzig zwei GmbH & Co. KG – fronts three project development companies: HASPA PeB, Otto Wulff, and HTP from Hamburg. The future Löwitz district will mainly comprise residential development, commercial premises (especially offices), social infrastructure, and green spaces. Housing will account for around 40 per cent of the entire district, which will have a total gross floor area of 131,500 square metres. Enjoying a central location, the complex will have an attractive structure comprising four main belts of development. Small 'pocket parks' (privately owned, yet still open to the public) and green spaces between buildings will help improve the microclimate. A grammar school with a gymnasium is envisaged in the northern part of the district.

_ www.loewitz.de



New urban district being built at Bayerischer Bahnhof

Over the next few years, a modern urban neighbourhood will emerge on the site of the historical Bayerischer Bahnhof railway station. Around 1,600 apartments for about 2,700 inhabitants are being built step by step between Bayerischer Platz and Kurt-Eisner-Strasse. At the heart of the project is a spacious park providing plenty of space for recreation and exercise, including for residents of neighbouring districts. A community school being built by the local authority on Dösner Weg is due to be completed by 2026. All in all, 330 preschool places are being created in the district. A kindergarten for 165 children with a MusicLAB developed by construction company Leipziger Stadtbau AG (LSB) will be built on the site of the former Schumann canning plant. LSB will also build about 150 residential units on Kohlenstrasse, while

BUWOG will erect some 220 homes on Dösner Weg. Construction for both projects will start in 2022. The vast majority of the new homes will be built by housing association BUWOG Bauträger GmbH for its own tenants. For this Lössniger Strasse subarea, a separate development plan (No. 397.1) with 1,300 dwellings, a childcare centre for 165 children, and a public park is being drafted. With both the City of Leipzig and BUWOG committed to meeting extensive ecological requirements and standards, this quarter is being planned with green, innovative forms of mobility. In addition, approximately 150,000 square metres of space is planned for offices and commercial use, and is expected to be completed by around 2031.

Eutritzscher Freiladebahnhof: Leipzig's largest new district

The City of Leipzig is tackling the challenges of the future in urban planning by repurposing underused or derelict sites and cooperating closely with various developers. One example is the 25-hectare site of Eutritzscher Freiladebahnhof, a disused goods railway station, which is to become a brand new, green urban neighbourhood. In addition to complying with the City of Leipzig's energy and climate protection targets, it's also intended to meet modern requirements in terms of living quality, jobs and social infrastructure. Thirty per cent of the residential space will be subsidized, rent-controlled housing for key workers, while another 30 per cent has been earmarked for commercial use.

In addition to homes for around 3,700 inhabitants, two preschool centres with a total of 330 places, a primary

school and a secondary school are planned. Provision has also been made for a 'Culture Mile' and shopping facilities around an 'entrée square'. A spacious park is planned as the central axis, taking the form of a sports and recreation ground to the north and a quasi-natural area to the south. Rainwater will either be allowed to seep away locally or be collected in cisterns to irrigate green roofs, cool buildings, and supply green spaces with water. To ensure the project's high quality, it has been included in a national research programme and is being supported as 'Leipzig BlueGreen' by the UFZ Helmholtz Centre for Environmental Research.

Contact

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Educational institution behind historical walls

GaraGe, a four-storey industrial building erected in 1912, is now characterized by its educational focus. VDI GaraGe gGmbH, headed by its long-standing director Dr Angelika Träger-Nestler, has created an unparalleled innovation centre on more than 3,500 square metres where youngsters are taught skills in science, technology and economics in innovative ways. The top floor is used by an adult training company that offers personal development and coaching for a wide range of fields and industries.

Contact

LGH Leipziger Gewerbehof GmbH & Co. KG Mommsenstrasse 6 04329 Leipzig Personally liable partner: LGH Service GmbH Registered office: Leipzig Kai Thalmann (CEO) Tel: +49 (0) 341 259 7700 Email: info@lgh-leipzig.de www.lgh-leipzie.de



Room for business success

LGH: Commercial premises for rent

LGH Leipziger Gewerbehof GmbH & Co. KG, which was founded in 1994 as a joint project by the City of Leipzig, Leipzig Leipzig Chamber of Industry and Commerce, and Leipzig Chamber of Small Industries and Skilled Trades, supports economic development by offering suitable premises in various commercial properties to SMEs in Leipzig. Its successful track record includes strengthening local businesses and also helping firms from further afield to open branches in Leipzig.

Wide range of premises for individual demands

LGH's broad portfolio currently comprises 12 commercial estates benefiting from good infrastructure across Leipzig. It has a total of more than 130,000 sq. m of premises to let: commercial, industrial and media space, laboratories and customer service areas, and offices and staff rooms, all of which can all be flexibly adapted to tenants' individual requirements.

Revitalization of inner-city commercial sites

LGH's development and construction activity began with greenfield municipal business parks. Since 1996, LGH has increasingly been investing in inner-city areas, both by building modern commercial properties and by revitalizing disused industrial buildings. At the end of the 1990s, around 25,000 square metres of floor space was developed by LGH for companies in the former industrial district of Plagwitz in four partly refurbished, partly newly built business centres. This provided impetus for urban development and the re-establishment of business activity in a revitalized borough with mixed use.

Development of cluster-specific property

The cluster-specific buildings which began to be built in 2000 (media city leipzig, BIO CITY LEIPZIG, BioCube) were geared to tenants' specific requirements. They offer occupants enhanced value in the form of technical facilities (e.g. laboratories) as well as room to tap synergy and for networking.





Alte Messe grows day by day

Ever since Leipziger Messe moved to its new exhibition centre in 1996, the 50-hectare Alte Messe site – the old exhibition grounds near the city centre containing a mix of partly listed pavilions built in the 1920s and vacant plots - has offered great potential for creative redevelopment. Every year, the various amenities at Alte Messe attract 2.5 million visitors and customers. To date, over 4,000 jobs have been created there – along with an ideal setting for networks and harnessing synergy. Even so, the development concept still offers plenty of scope to augment existing activities at Alte Messe or even set new directions. The site is characterized by highly modern infrastructure with plenty of amenities in the direct vicinity. This attractive location is distinguished by its synergy to science, research and technology on the one hand and entertainment, retail, hospitality, sport and the car boulevard on the other.

Alte Messe is breaking new ground: BioCity Campus Leipzig - an evolution and expansion area for science, research and healthcare

In addition to the many other attractive investment projects, the BioCity Campus has been set up in the midst of this traditional area for actors from biotechnology, the life sciences and healthcare. This biotech and life sciences park is now home to institutions such as a Fraunhofer Institute, a Max Planck Institute, iDiv German Centre of Integrative Biodiversity Research, BioCity and BioCube as well as the German National Library and departments of Leipzig University. Exclusively reserved plots are also available for extensions and new investments.

Contact

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105,000 sq. m

building land still available from LEVG



355,000 sq. m

of land already sold



Near the city centre



From **2,500 sq. m** flexible subdivision of plots



4,000 jobs created so far



2.5 million visitors annually



Entire site is fully developed



Suitable sites for a liveable city

Keeping an eye on land provision as the population grows

Leipzig remains a growth hotspot. Bucking the trend in Saxony, Leipzig is set to continue growing significantly until 2035, increasing by 93,000 inhabitants and reaching a total population of 681,000. Keeping an eye on land provision therefore remains an important aspect of Leipzig's real estate policy. The individual needs of the various departments are considered in order to create space for business, education, housing, transport, culture and public areas in the city.

Land for municipal tasks

The Real Estate Office of the City of Leipzig maintains a vital basis for a liveable city by means of its land bank and is itself responsible for around 4,000 municipal properties. Its tasks are varied, ranging from property management and the purchase and sale of land to legal support regarding all aspects of real estate. One important responsibility is assisting relevant municipal departments and direct service organizations by searching for, assessing, and providing suitable sites where their projects can be implemented. The overall aim in this regard is the infrastructurally, socially, ecologically, and economically sustainable development of Leipzig.

Strategic land purchases

Given the current market and municipal budget situation, in 2020 the Real Estate Office acquired more than 20,800 square metres for public services in 25 purchase transactions. The sum of €7.4 million was invested in projects. One of the main tasks in this respect is securing and providing social infrastructure. In 2020, for example, three plots with a total area of 3,500 square metres were purchased to build a school in Gohlis. Furthermore, the City of Leipzig agreed purchase options for a school and two preschool centres on the site of Eutritzscher Freiladebahnhof, a disused goods station.

Municipal land to support local businesses

Around 20,000 square metres of land was sold to investors in 57 transactions. They included the sale of commercial sites to support local businesses. For example, a car logistics and recycling company acquired a plot of land with a size of some 3,500 square metres in Eutritzsch to set up a distribution centre. And a site expansion enabled a private investor in Burghausen to enlarge his dialysis centre on Strasse Am Turnplatz.

Contact

City of Leipzig Municipal Real Estate Office Matthias Kaufmann (Head) Tel: +49 (0) 3411233350 Email: matthias.kaufmann@ leipzig.de

Leasehold rights in 2020



300 leaseholds managed



31 leaseholds in industry and commerce



New types of land sales: Concept procedures

Everyone knows that when supply is scarce but demand is high, prices rise. This price war is normally won by those with the deepest pockets. For a long time, this was also true when bidding for municipal land in Leipzig. A few years ago, however, the strategic reorientation of Leipzig's real estate policy took place. Since then, much greater consideration has been given to factors relevant to urban development in connection with the provision of municipal building plots and property — especially when it comes to affordable housing. The goal is to further promote housing construction and attract companies while still maintaining the city's land bank.

Successful concept procedure for social housing and commerce

In 2020, a leasehold contract was signed for a building plot 1,350 square metres in size at Prager Strasse 226 in the district of Probstheida. This was preceded by

a successful concept procedure for the construction of an apartment building. According to the building application, 34 social housing flats and 18 parking spaces are being built, while the ground floor will provide 240 square metres of commercial space.

Commercial property:

Economic development from a single source

As far as commercial property is concerned, the Office for Economic Development is always a reliable contact. Having identified commercial sites, it strategically develops them for future buyers. It thus strengthens Leipzig's forward-looking land policy, which has been the decisive basis for its successful economic development over the past 20 years.

Contact

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Mercateo Group builds HQ on Johannisgasse

The granting of leasehold rights is still rarely used for commercial developments since investors are often sceptical and determined to own the land. A prime example of friendly negotiations and a willingness to think outside the entrepreneurial box eliminating such prejudice and leading to a major relocation is the signing of a leasehold agreement with OFB Projektentwicklung GmbH. As a result, Mercateo (the main tenant of the new office block now under construction) will be able to move into its new headquarters in the centre of Leipzig in two years' time.

Mercateo relocates from Munich to central Leipzig



500 jobs



14,800 sq. m gross floor area



2,681 sq. m building site



A great place to live!

Cultural identity is steadily gaining importance in fast-growing, rapidly changing Leipzig. It's bolstered by Leipzig's proud civic heritage and its reputation as the cradle of the Peaceful Revolution. Leipzig has the cultural diversity of a city twice its size. The challenge is now to hone the quality of this offering and to respond appropriately to the increasing diversity. The intellectual freedom enjoyed by Leipzig must be preserved and its cultural profile sharpened.

Culture for all!

Quality of life for 600,000 residents and visitors

Leipzig has an extremely positive image. In Germany and abroad, this expanding city is often associated with attributes like cosmopolitan, welcoming, unconventional, confident, young, green, international, visionary, diverse and modern — and it has a growing reputation as a great place to live. The city's diverse arts sector and its cultural highlights — funded to the tune of €150 million in 2021 — play an important role in the city's upbeat image. It's no wonder that Leipzig's cultural landscape is a significant factor stimulating the city's continued successful development.

World-class culture: Leipzig - City of Music

Leipzig enjoys a strong reputation around the world thanks to its long musical heritage and its still extraordinarily varied musical scene. A vital contribution is made by the international marketing of the city's classical music festivals. Under the label 'Leipzig — City of Music', the city's biggest such event — the renowned Bach Festival — was held in June 2021 in conjunction with Leipziger Markt Musik. And during the Con Spirito festival from 11 to 19 September 2021, international stars of the chamber music scene performed at historic venues awarded the European Heritage Label. Other prestigious highlights are scheduled for the next few years, including the Wagner 22 festival at Leipzig Opera House and the 2023 Mahler Festival at the Gewandhaus concert hall.

Europe's foremost literary festival

The annual festival Leipzig Reads normally held during the Leipzig Book Fair is the biggest festival of literature in Europe. In 2021, of course, it had to be adapted in response to the pandemic. Nevertheless, more than 400 hybrid events were held at a total of 80 venues in Leipzig from 27 to 30 May 2021. The festival opened with the presentation of the Leipzig Book Award for European Understanding to winners Johny Pitts (2021) and Laszló Földényi (2020) at St Nicholas's Church.



From 21 May to 30 June 2021, the photographic exhibition 'Afropean Express: A Journey through Black Europe', an initiative by the Forum on European Culture together with Johny Pitts, was held in central Leipzig to accompany Leipzig Reads.

7 good reasons for Leipzig

- 1 Internationally famous city of music
- **2** Festivals of European renown from the Bach Festival to the WGT Festival of Dark Music
- **3** Vibrant, innovative fringe culture and suburban arts projects
- **4** Diverse remembrance culture, e.g. as the cradle of the Peaceful Revolution
- **5** Great conditions for the development of independent art and culture
- **6** Excellent exhibitions and collections; Strategy for Museums 2030
- 7 Outstanding literature and publishing sector

Auswahl an Jubiläen und kulturellen Höhepunkten

- **2021** _ 75th anniversary of youth theatre
 Theater der Jungen Welt
 - 150th anniversary of the birth of Karl Liebknecht
- 2022 _ Wagner 22 festival at Leipzig Opera House
 - _ German Choir Festival
 - 175th anniversary of the death of Felix Mendelssohn
 - _ 25th anniversary of Mendelssohn House
 - _ 100th anniversary of
 - Leipzig Adult Education Centre
- **2023** _ Mahler Festival at the Leipzig Gewandhaus
 - 300th anniversary of J. S. Bach's appointment as cantor
 - _ 125th anniversary of the birth of Hanns Eisler
- 2024_ 35th anniversary of the Peaceful Revolution
 - _ 150th anniversary of the GRASSI Museum of Applied Art
- **2025** _ 275th anniversary of the death of J.S. Bach
 - 200th anniversary of the German Booksellers' and Publishers' Association





Leipzig: City of Social Movements

In times of involuntary social distancing, the thematic focus of 2021 could hardly have been more apt! Leipzig is used to dealing with change as a result of political upheaval and dynamic processes in society — just think of historic movements in the city such as the campaign for women's rights and the social democratic labour movement. The main aims of the events held in 2021 were to recall these movements and to regard them as a basis for tackling today's challenges.

Musical Comedy

Following extensive refurbishment, the Musical Comedy theatre was reopened in west Leipzig with its concert hall and outdoor area restored to their former glory. Visitors can look forward to a converted auditorium and gallery, state-of-the-art sound and lighting systems, an air-conditioned auditorium, excellent seating, a height-adjustable orchestra pit, and an attractive, remodelled outdoor space with barrier-free access.



Oldest civic orchestra in the world

Founded in 1785, the Gewandhaus Orchestra is the oldest civic symphony orchestra and nowadays the biggest professional orchestra in the world.



Tallest monument

The Monument to the Battle of Leipzig has a height of 91 metres, making it the tallest monument in Germany.



Oldest children's and youth theatre in Germany

Theater der Jungen Welt in Leipzig is the oldest professional theatre aimed at a young audience in Germany. It was opened in 1946 at Kongresshalle with a play by Erich Kästner.

Perceptions of Leipzig

To mark the year devoted to social movements, the Museum of City History hosted a special exhibition addressing how Leipzig is perceived by natives and outsiders as well as the city's image(s) and its urban

identity. Exhibits were displayed amid playful, modern scenography, inviting visitors to draw their own conclusions.





Looking to the future together: Model Project for Culture - living lab

After more than a year of venues being closed to the public due to the pandemic in a city characterized by artistic diversity in a wide variety of fields, the Model Project Culture was more than just a signal. It was a vital step giving hope to entertainment businesses as well as the artists and other personnel working in them after they'd endured the long silence so calmly and responsibly. Following intensive coordination, the Model Project Culture trialled the holding of events under pandemic

conditions in a living lab held with municipal partners and independent artists from 26 May to 27 June 2021. The aim was to find ways of opening large events to the public in a manner compliant with the coronavirus protection rules in force in Saxony. The project was carried out by three associations — LiveKommbinat Leipzig, Leipzig+Kultur and Kreatives Leipzig — with support from Leipzig University Hospital, St George's Hospital, and the Max Planck Institute for Evolutionary Anthropology in Leipzig.

Leipzig Summer of Culture

2021, numerous artists came together to set up open space concepts over the summer. More than 150 events took place at various locations in Leipzig. The OUTSIDE Festival, which ran for five weeks on the grounds of the agra Messe Park with funding from the German Cultural Foundation and the City of Leipzig, was especially noteworthy. Artists in all disciplines competed to participate in the Summer of Culture and made use of the infrastructure provided.

Leipzig: Space for Education 2022

Education and research play a key role in our society. The theme for 2022 addresses the interaction between urban society and its educational institutions. Leipzig was and remains a laboratory for new ideas and ways of life. Activities will revolve around filling this space, jointly testing new currents, and exploring visions.



1989

Living culture of remembrance

Every year, residents of Leipzig keep the memory of Peaceful Revolution in autumn 1989 alive in many different ways. The fateful date of 9 October is commemorated at the Church Service for Peace, a speech on democracy, and the Festival of Lights.



World's oldest festival of documentaries

The International Leipzig Festival for Documentary and Animated Film (DOK Leipzig for short) is the biggest festival of artistic documentary films in Germany, and also the second-largest in Europe. Founded during the Cold War in 1955 as a unique meeting place for filmmakers from East and West, it's now the oldest documentary film festival in the world.



Cabaret festival unique in Europe

Lachmesse, the European festival of humour and satire, is Germany's main international cabaret fest. Every October, over 90 renowned ensembles and artists can be enjoyed in 14 venues over 8 days.





400 sports clubs



110 disciplines



100.000

members



164

Leipzig Olympians



230

Olympic medals

Sport: Inspiring and inviting

Centre of amateur and elite sport

Striking a healthy balance between amateur and elite sport, Leipzig scores not just as a busy host of major sports tournaments but above all in terms of everyday sporting activity by the general public. Sport is booming in this growing city. The Sports Programme 2024 for the City of Leipzig was adopted by the city council in 2016. It's a continuation of the previous programme, under which for instance €30 million was spent on renovation projects and €11 million on new sports facilities. The new programme covers amateur sport and club-based activities as well as top-flight youth sport and elite sport.

Home of elite sport

Top-flight and amateur sports events aren't by any means confined to the city's two main venues, the Quarterback Immobilien Leipzig Arena and the Red Bull Arena. For example, the FEI World Cup Finals in jumping, driving, dressage and vaulting have been held annually for several years at the Leipziger Messe exhibition centre — to the approval of both spectators and participants.

Leipzig in the Bundesliga

Local team RB Leipzig now plays in Germany's top soccer division, the Bundesliga. The club draws sell-out crowds of 45,000 to its league, cup and international matches at the Red Bull Arena near the city centre. The top team in the city where the DFB German Football Association was founded is now among the frontrunners of the UEFA Champions League.

Top-level club sport

High-level sport is also regularly enjoyed by spectators at the league and cup fixtures played by the Bundesliga handball team of SC DHfK Leipzig. What's more, many other clubs such as LE Volley, the women of Handball Club Leipzig, and the EXA IceFighters Leipzig regularly stage thrilling, high-class sporting events for spectators.

Prestigious hub of sports science

Leipzig's international reputation in sports research is proudly maintained by the IAT Institute of Applied Training Sciences and Leipzig University's Faculty of Sports Science (the successor to the prestigious DHfK sports college). Both these world-famous institutions continue the proud, long-standing heritage of world-class sports research and training in Leipzig. Courses for trainers from abroad first held in Leipzig over 50 years ago have kept participants from more than 100 countries abreast of the latest developments in sports science.

International sports at Arena Leipzig in 2021/22:

- _ 2022 German Indoor Athletics Championships
- International Federation for Equestrian Sports World Cup Finals

Leipzig's sporting history

1900 _ DFB German Football Association is founded

1897 _ First official marathon on German soil

1884 _ BDR League of German Cyclists is founded

1863 — First national gymnastics festival

1845 — ATV Leipzig General Gymnastics Club is founded, launching the German gymnastics movement

Outlook

2024 Venue for UEFA Euro 2024 (football)

2025 _ 13th International German Gymnastics Festival



Feel-good Leipzig: A green giant

Leipzig breathes quality of life

The sheer extent and variety of green spaces in Leipzig come as a surprise to many visitors and even some locals! Seen from above (such as from the Monument to the Battle of Leipzig or the 142-metre-tall tower block on Augustusplatz), Leipzig appears blissfully green. In fact, green spaces easily accessible to people of all ages account for 15 per cent of Leipzig's total area of 297.6 square kilometres. The most popular places among those in need of fresh air and recreation are the Auwald floodplain woodlands (950 hectares), Clara Zetkin Park

(43 hectares) adjacent to the city centre, Connewitz Game Park (45 hectares) containing 25 indigenous animal species, and Leipzig Zoo (22.5 hectares). They're joined by about 100 natural monuments and over 150 protected biotopes. What's more, allotments are especially popular in Leipzig; there are 38,598 allotments in 278 allotment parks covering an area of 1,237 hectares. Leipzig's 'green lungs' also include the roughly 400 playgrounds in Leipzig's parks and gardens.



Building the zoo of the future

Since 2000, the concept of the 'Zoo of the Future' has been gradually translated into reality. This pioneering approach combines animal welfare with extraordinary encounters with wildlife as well as global commitment to conservation. Visions which have become reality there such as the Gondwanaland tropical experience and Pongoland, the unique anthropoid ape enclosure where scientists from all over the world work, have raised the bar. By 2023, the zoo will have continued its innovative strategy by completing Tierra del Fuego, a spectacular underwater world and the final masterplan project in the

Asian Island Worlds in the central part of the zoo. The Zoo of the Future will ultimately comprise the adventure worlds Gondwanaland, Asia, Africa, South America and Pongoland as well as Founders' Garden, all focusing on Leipzig Zoo's key goals: environmental protection and species conservation. The zoo is now also inviting visitors to directly participate in successful international conservation projects by making a voluntary donation of €1. This scheme raises about half a million euros annually for endangered species.

_ www.zoo-leipzig.de



32.27 sq m woodlands per head



8.91 sq m surface area of lakes per head



92.7 km total length of rivers



Housing in Leipzig: Atmosphere, diversity, quality

Leipzig Liberty Network strengthens cooperative, affordable housing

Support for cooperative building and housing projects in joint, cooperative or individual ownership is firmly anchored in the City of Leipzig's housing policy strategy. Assistance is provided to project groups working under their own initiative to create space for diverse and affordable forms of housing. Another goal is to help strengthen social cohesion in neighbourhoods. Since 2016, the Leipziger Liberty Network has provided consulting for 77 housing project initiatives as well as practical support. And since 2020, the network has supported planning procedures for cooperative, affordable construction and housing for

municipal sites as well as vacant residential buildings owned by the municipal housing association LWB.

_ www.netzwerk-leipziger-freiheit.de

Support for affordable housing

In 2017, the Free State of Saxony launched a programme to create rental housing subject to rent control and occupancy requirements. So far, Leipzig has concluded agreements for around 1,650 flats to be completed by 2024 by means of renovation, newbuild or conversion. The legal basis for this comprises 60 separate contracts with municipal housing association LWB, private owners, and also housing cooperatives. So far, over 300 flats have already been handed over. In

addition, there are municipal funding guidelines to guarantee affordable housing, including for large and small apartments for households of five people or more and for single-person households, as well as to reduce monthly rents to €6.50 per square metres and for housing projects for people with disabilities. The municipal funding guidelines for the necessary adaptation of housing for residents with limited mobility supports tenants and owner-occupiers, and supplements aid already provided by Saxony.

_ www.leipzig.de/ soziale-wohnraumfoerderung



66,571

buildings with flats



15,700

listed buildings



87% of households

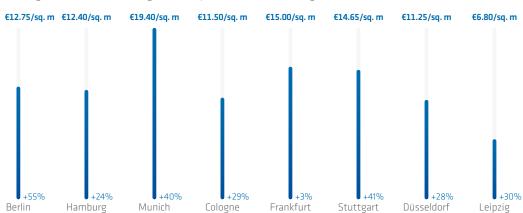
Brochure: Rent Index and Overheads in Leipzig

are tenants



Rents in Germany's top 8 cities

• Average rents in 2020 (excluding newbuild) | Rent increases (excluding newbuild): 2014-20



Source: IDN Immodaten GmbH, BNP Paribas Real Estate CITY REPORT 2021





Family-friendly credentials

Since 2009, nearly 90 people and initiatives have received the Family Friendliness Award while 18 family-friendly employers have won special prizes.

Additional childcare places planned in 2021/22



+1,678

new preschool places



>75% of which in newbuilds

Diverse education and training

Leipzig's education sector is geared towards lifelong learning. Early childhood care and education are ensured by a dense, constantly expanding network of nursery schools, preschool centres and childminders. Parents can then choose between public and independent schools with a wide range of educational concepts for their children. Full-day programmes are offered by over 90 per cent of all general education schools run by the City of Leipzig.

The broad range of academic training opportunities is delivered by a traditional university including a university hospital, two art colleges, three universities of applied sciences, a university of cooperative education, and other privately run providers. Its research potential is significantly complemented by the non-university research centres of the Fraunhofer Society (2), the Helmholtz Association (2), the Leibniz Association (5) and the Max Planck Society (3), as well as the German Biomass Research Centre and the iDiv German Centre for Integrative Biodiversity Research. Leipzig is also the seat of the Saxon Academy of Sciences.

_www.leipzig.de/familienfreundlichkeitspreis

A pro-family attitude

Family-friendliness played an important role in Leipzig despite the pandemic, for families were

greatly impacted by the changes and restrictions. To

highlight this dedication, the 13th Family Friendliness

Award in 2021 included special prizes for family-

friendly employers during lockdown. It was won by

four businesses, each of which received a cheque for

€1,000: pioneer communications GmbH, the Spread

Group, Mütterzentrum Leipzig, and Dr Wieser's surgery.

In addition, the KUZ Leipzig Plastics Centre received a

special prize from the Leipzig Chamber of Industry and

Commerce. The employers demonstrated a wealth of

ideas to improve the work-life interface for employees

Jury turned their attention to the question of who else

apart from employers had particularly supported them

and their families during this tough time. They chose a

cooperation project in the district of Grünau providing a

range of services to support local families.

with children. Meanwhile, the members of the Children's

Family Information Office

The Family Information Office in the city centre is the first port of call for young and old regarding their families. Every year it's visited by about 14,000 people while some 6,000 pick up the Leipzig Baby Starter Package. Owing to the Covid pandemic, in 2020 contact with families took place largely by phone and email.

_ www.leipzig.de/fib



* 1 year before starting school



92% of primary school children attend afterschool clubs





54,815 schoolchildren



13/ public schools



29 independent schools



new schools by 2030

Schools in Leipzig

State schools including _70 primary schools _28 comprehensive schools _21 grammar schools

21 grammar schools16 special-needs schools1 neighbourhood school

_ 1 hospital school

Independent schools

Montessori School Centre
 Protestant School Centre
 Leipzig International School

Rudolf Steiner schools

_ Rahn Education



Education: International, intercultural

In addition to four bilingual kindergartens where, apart from German, there is a second language of communication (either English, French, Chinese or Russian), there are now several childcare centres where elementary English, French, Spanish, Arabic or Russian are taught in a fun yet effective manner.

AbiBac and a bilingual profile

In-depth education in French leading to the AbiBac (a dual qualification made up of both the French Baccalauréat and the German Abitur) is provided by Anton Philipp Reclam School — a grammar school in the City of Leipzig's German—French Education Centre, which also includes a kindergarten, a primary school and a comprehensive school. Meanwhile, Goethe Grammar School (another state school) also focuses on bilingual teaching with selected modules taught in English.

www.reclamgymnasium.dewww.goethegym-leipzig.de

Leipzig International School: Global expertise

Offering primary and secondary education, LIS also has its own crèche and nursery school. Some 900 youngsters from about 70 nations are currently enrolled at its two sites in the boroughs of Schleussig and Plagwitz. The team of international teachers create a learning environment providing ideal preparation for their students' professional future. The language of instruction is English, and close attention is paid to social skills. The curriculum is largely modelled on schools in the UK, with emphasis on internationally compatible education and qualifications recognized in Germany and abroad.

_ www.lis.school

MIT Schools Network in Leipzig

Gerda Taro Grammar School as well as three comprehensive schools — School No. 68, Weisseplatz School, and Lene Voigt School — represent Leipzig in the Saxon MIT Schools Network. Emphasis on media education, computer science and digital technology enables pupils to achieve a leaving certificate with an extended IT component. The MIT Schools Network is supported by Leipzig University.

_ www.informatik.uni-leipzig.de/ ddi/schule/mit-schulen

Schools development plan

According to the schools development plan adopted by the city council in early summer 2019, owing to the expansion of Leipzig, the city will require 16 new primary schools, 7 comprehensive schools and 12 grammar schools over the next few years. Last year alone, 11 new schools were completed, including the primary school on Addis-Abeba-Platz and the comprehensive school on Höltystrasse. Other new schools are taking shape at several building sites across the city.

Part of the higher demand for modern school buildings is being met through by refurbishing old school buildings as well as by constructing extensions suitable for various functions. One such example is Palmengarten Grammar School on Karl Heine Strasse.



Dedication for tomorrow's skilled workers

Dual vocational training: A guarantee of quality

Successfully completed vocational training is and remains a door-opener to the employers in our region; not even the ongoing pandemic can change that!

Businesses are looking ahead and need well-trained young staff. In Leipzig, Greater Leipzig and North Saxony, firms are maintaining their training activities despite the current difficulties. A total of 3,102* new

Vocational rehabilitation

People who can no longer practise their profession due to illness or an accident are offered individual assistance by BFW Berufsförderungswerk Leipzig. Support ranges from careers guidance and aptitude tests to preparatory and training schemes followed by retraining and qualification schemes to help candidates find their way back to work. In addition, a vocational training centre known as BTZ Leipzig aids those suffering mental illness. Moreover, further training is organized for employers. In 2019, BFW's 45 further-training and integration courses were attended by 1,006 participants. BFW employs 261 people.

_ www.bfw-leipzig.de

878 reasons to celebrate

This was the number of young skilled tradespeople who completed their training in 2021 in one of 80 professions.

Leipzig Chamber of Industry and Commerce



3,095 industrial apprenticeships



4,551 commercial apprenticeships

Leipzig Chamber of Small Industries and Skilled Trades



3,489 apprenticeships

the 2021/2022 training year, an increase of around 1.7 per cent on the previous year. Given the current situation, this illustrates the high importance attached to the principle of dual vocational training by regional companies.

apprenticeships in skilled trades were registered for

* 30 November 2021

Competition for young skilled professionals

The training centre of the Leipzig Chamber of Small Industries and Skilled Trades is regularly used as a venue for the German Skilled Crafts Competition. Participants who have completed an apprenticeship compete in a series of practical trials to find the cream of the crop. Winners go on to represent the region in the national competition. Some even use this competition as a springboard to take part in international vocational competitions.





International Leipzig

Leipzig is increasingly being perceived in Germany and abroad as a centre of higher education and research. Its reputation as an international city is buoyed by the further development of the welcome given to those arriving here as well as its 'foreign policy' adeptly coordinated between the City of Leipzig and the scholarly and scientific community involving partners all over the world.

Exceptional higher education and research

In the past, science and learning in Leipzig were represented by great names such as Leibniz, Wundt and Ostwald. And today? These days, outstanding scientific findings by the likes of Svante Pääbo in paleogenetics, Annette Beck-Sickinger in biochemistry, and Dieter Kopinke in environmental research are proof of Leipzig's

vibrant spirit of research. Thanks to support from the major German research associations, and with the aid of EU funding and investment by the government of Saxony, an excellent infrastructure has been built up in close collaboration with the City of Leipzig. Leipzig now plays in the major league!

Contact

City of Leipzig Office for Knowledge Policy Dr Torsten Loschke (Unit Head) Tel: +49 (0)341123 2012 Email: wissenschaft@leipzig.de



2021

- A consortium headed by UFZ pushes ahead with planning for a new research centre for climate measures and innovations in Saxony, and is awarded approval for the first funding phase
- SaxoChiLD joins the DZKJ German Centre for Child and Youth Health and will be based in Leipzig and Dresden
- UFZ environmental toxicologist Prof. Beate Escher is reappointed to the German Science Council
- UFZ microbiologist Prof. Katja Bühler is appointed to the National Hydrogen Council
- Prof. Daniela Thrän (UFZ, DBFZ, Leipzig University) is appointed co-chair of the German Bioeconomy Council, a government advisory body
- DBFZ German Biomass Research Centre launches its largest research project to date on soil improvement in Ethiopia for €18.4 million
- DFG German Research Foundation provides funding of €5.5 million for the Collaborative Research Centre 'Towards the Fluvial Anthroposphere', a joint project by Leipzig University, the University of Tübingen, and Darmstadt University of Technology
- German Science Council issues a funding recommendation for the application by Leipzig University and Saxony to establish Global Hub on Wilhelm-Leuschner-Platz in Leipzig
- DFG German Research Foundation provides €5.4 million in funding for the Postgraduate Research Unit 'Hydrogen Isotopes 1,2,3H' at Leipzig University
- DFG German Research Foundation provides €13 million in funding for another three and a half years for Collaborative Research Centre 1052 'Mechanisms of Obesity' at Leipzig University
- Leipzig University and the Max Planck Institute for Mathematics in the Sciences appoint mathematician Sayan Mukherjee from Duke University, Durham, USA as the new Alexander von Humboldt Professor
- STARK funding programme approves interfaculty Centre for Bioactive Matter (b-ACTmatter) at the BBZ Centre for Biotechnology and Biomedicine
- **—** HTWK Robots win bronze in the remote event RoboCup 2021
- Wirtschaftswoche magazine again declares HTWK Leipzig to be one of the best universities of applied sciences in Germany
- Digitization of higher education: Two projects at HTWK Leipzig to receive millions of euros in funding over the next three years from the Foundation for Innovation in University Teaching
- Dealing with the COVID pandemic: HTWK working group headed by Prof. Stephan Schönfelder develops new simulation models for virus exposure in various indoor environments
- Improved research conditions for doctoral students:
 HTWK Leipzig celebrates the fifth anniversary
 of its Graduate Centre

2020

- Seven researchers from Leipzig are listed among the most influential scientists worldwide
- Topping-out ceremony for UFZ's new research building in Leipzig

7 good reasons for Leipzig

- 1 Traditional university, 6 universities of applied sciences, and 12 other study institutions
- 2 Continuous collaboration in the Leipzig Science Network
- **3** Intensified research into digital technology, life sciences, environment and climate
- 4 Prominent role for science and research in the Integrated Urban Development Concept for Leipzig 2030
- **5** Continuous coordination via the Knowledge and Technology Transfer Committee
- 6 International research
- **7** Constant expansion of Leipzig's designated science districts

- Neuropathologist Dr Ruth Stassart receives
 European Research Council Starting Grant of around
 €1.5 million for research into new therapeutic approaches
 to treat nervous diseases
- AProof coronavirus antibody test developed by Adversis Pharma in conjunction with BBZ Centre for Biotechnology and Biomedicine
- DBFZ opens new event and office building as well as pilot plant unit
- _ DBFZ launches major projects in Togo & Ghana for around €60 million
- Department of Archaeogenetics (headed by Professor Johannes Krause) and Department of Language and Cultural Evolution (Professor Russell Gray) are officially opened at the Max Planck Institute for Evolutionary Anthropology



HHL: Germany's top business school

HHL Leipzig Graduate School of Management - a private university with the right to award doctorates and post-doctoral lecturing qualifications - is one of the world's foremost business schools. Its management MSc programme was rated in second place in Germany and twenty-third in the world in the global ranking carried out in 2020 by the Financial Times. The mission of Germany's oldest college of business administration is to train successful, responsible executives with an entrepreneurial flair. In 2021, HHL was declared Germany's Founder University for the fifth time running by the Donors' Association for the Promotion of Humanities and Sciences in Germany. The range of courses on offer includes full-time and part-time management and MBA programmes, a doctoral programme, and professional management development. In DIGITAL SPACE, the newly created HHL Digital Transformation Platform, founders receive support from HHL in a 12-week incubation programme.

_ www.hhl.de



No. 2 in Germany

HHL's Master in Management programme

Source: Financial Times Ranking 2020



350 startups in the past 20 years



40.000 new jobs created

HGB Academy of Fine Arts

The HGB Academy of Fine Arts is one of the oldest and most prestigious art schools in Germany. The study conditions are outstanding thanks to its concentration on small groups and its superb facilities. Currently nearly 600 students are enrolled on HGB's four degree programmes in painting/graphics, book art/

graphic design, photography and media art. Artistic yet practical study is complemented by a wide range of theoretical classes. HGB also offers a graduate programme for master students and a master's course in curation culture.

_ www.hgb-leipzig.de

Lancaster University Leipzig

Lancaster University, one of the top 15 universities in the UK, opened its first European campus in Leipzig in 2019. It's now moved into the Strohsack arcade in the city centre, where it offers bachelor's programmes in IT and business taught entirely in English. It will begin master's programmes in 2022 with an MSc in Logistics and Supply Chain Management. In addition to teaching and supervising mainly foreign students, the campus in Leipzig is involved in local and national networking and research. Apart from teaching at Strohsack, it also plans to hold conferences attended by prominent researchers as well as local networking meetings there.

 $\verb"--www.lancasteruniversityleipzig.com"$

Macromedia University of Applied Sciences

Offering a range of practical courses, Macromedia University of Applied Sciences sees itself as a partner of the regional economy and so regularly conduct practical projects in collaboration with local businesses. The bachelor's and master's programmes focus on design (including fashion design, game design), media (sports, music, media and communication management), journalism, coding and management (including international management and business psychology). All the degree programmes pay particular attention to the opportunities created by digital change and interdisciplinary cooperation.

_ www.macromedia-fachhochschule.de

HTWK: Networking knowledge

HTWK Leipzig University of Applied Sciences has combined practical teaching with applied research for thirty years. Although its regional USP is its broad engineering and technical profile, its academic range is actually far wider, spanning four main profiles: construction and energy, engineering and economics, life science and engineering, and media and information. Practical study with a scientific basis is delivered on over 40 degree programmes. About 6,400 students are currently enrolled at HTWK, while nearly 100 junior scientists are taking doctorates in collaborative procedures with the support of the Graduate Centre, which celebrated its fifth anniversary in 2021. HTWK's excellence is demonstrated by networking and collaboration with industrial companies from the surrounding region and elsewhere in Germany and Europe as well as numerous externally funded research projects. Since 2018, Deutsche Telekom has financed 17 professorships and equipped the new Faculty of



Conducting innovative, interdisciplinary research projects, HTWK has one of the highest levels of research among Germany's universities of applied sciences.

Digital Transformation under an endowment project on an unprecedented scale among universities of applied sciences in Germany.

_ www.htwk-leipzig.de





Saxon University of Cooperative Education: Dual studies

The Saxon University of Cooperative Education offers dual study programmes with students alternating between theoretical training on campus and practical experience with an employer. Courses are taught in the areas of asset management with real estate economics, tax consulting/auditing and management control/finance as well as in the technical fields of computer science and service engineering. The Saxon University of Cooperative Education has been operating successfully in Leipzig for nearly 30 years. Currently 570 students are enrolled on dual degree courses.

_ www.ba-leipzig.de

Other colleges offering bachelor's and master's programmes (full-time, part-time, distance education)

- _ AKAD Exam Centre Leipzig
- _ Blindow Akademie
- _ DHfPG German University of Prevention and Health Management, Leipzig Study Centre
- FernUniversität Hagen, Leipzig Regional Centre (distance education)
- _ FOM College
- _ HFH Hamburg University of Applied Sciences, Leipzig Study Centre (distance learning)
- _ IUBH University of Applied Sciences, Leipzig branch
- _ iba International University of Cooperative Education
- _ SAE Institute Leipzig
- _ SRH Distance College, Leipzig Study Centre (distance education)
- Wuppertal Academy of Technology, Leipzig Study Centre

University of Music and Theatre

The University of Music and Theatre Felix Mendelssohn Bartholdy was originally founded in 1843 by composer Felix Mendelssohn as Germany's first conservatoire. Its building at Grassistrasse 8 dates back to 1887. The Grand Hall seating 420 spectators was opened in 2001, and received an award three years later from the Saxon branch of the Federation of German Architects. Since 2002, the university has had an additional main building with first-rate facilities at Dittrichring 21. It also has premises at Grassistrasse 1 used by wind and brass players. Around 1,200 young people from over 50 countries study at the university in three faculties and twelve different disciplines.

_ www.hmt-leipzig.de



1843

Founded by Felix Mendelssohn



1409

Leipzig University founded



5,358 research publications in 2020



31,058 students



4,897externally
funded research
projects

Another Humboldt Professorship for Leipzig University

In 2021, Leipzig University and the Max Planck Institute for Mathematics in the Sciences jointly garnered Germany's most highly endowed research award. Mathematician and artificial intelligence expert Professor Sayan Mukherjee from Duke University, Durham, USA, will be the new Alexander von Humboldt Professor in 2022. His expertise will help new approaches in precision medicine to be developed.



Leipzig University: A source of knowledge for pioneers

Leipzig University was founded in 1409 and teaches a wide range of subjects in life sciences, the humanities and social sciences, and the natural sciences. Its research strengths are reflected in its strategic research areas 'Changing Orders in a Globalized World', 'Smart Methods and Materials' and 'Sustainable Foundations for Life and Health'. The last of these includes the iDiv German Centre for Integrative Biodiversity Research established in 2012 and funded by the DFG German Research Foundation. iDiv is operated by the universities of Halle, Jena and Leipzig within the Central German

University Alliance in conjunction with the UFZ Helmholtz Centre for Environmental Research. The 14 faculties at Leipzig University currently teach 157 degree programmes. Research Academy Leipzig is the central service institution for doctoral students and postdocs. It's dedicated to quality assurance in the doctoral phase and organizes interdisciplinary training programmes in various areas of expertise. Research Academy Leipzig currently has around 800 members — doctoral candidates pursuing a structured doctoral programme.

_ www.uni-leipzig.de

Research for industry: A hallmark of quality

The economic region of Leipzig has enormous R&D potential at its disposal thanks to Leipzig University, ten other colleges and universities, three Max Planck Institutes, two Fraunhofer Institutes, and several other non-university research centres. Leipzig University consolidates its reputation with its interdisciplinary research activities, including in a DFG German Research Foundation research centre, six collaborative research projects, four SFB postgraduate research units, two DFG priority programmes and eight DFG research groups as well as a ZIK Centre of Innovation Competence funded by the BMBF Ministry of Education and Research. The 1,130 joint projects conducted with industry are especially important. In the higher education sector, over a third of such projects have been carried out with regional companies, ensuring that research findings are swiftly put to practical use. BIO CITY LEIPZIG, including Leipzig University's BBZ Centre for Biotechnology and Biomedicine, thrives on its stimulating atmosphere for young firms and successful start-ups.

Leipzig University focuses its research in three strategic research fields. The nine research profile areas they contain integrate the humanities and social sciences, life sciences and natural sciences in roughly equal proportions within transdisciplinary cooperation. Leipzig University's research muscle is to be bolstered by means

of externally funded, highly competitive collaborative research. Its profile areas front high-growth scientific cores around which the academic excellence of both Leipzig University and non-university research partners is gathered. In 2018, the renowned Wall Street Journal Ranking awarded HHL second place worldwide for its Master in Management programme, and even ranked it number one in Europe.





- > UFZ Helmholtz Centre for Environmental Research
- > HI-MAG Helmholtz Institute for Metabolic, Adiposity and Vascular Research



- > Max Planck Institute of Evolutionary Anthropology
- > Max Planck Institute for Human Cognitive and Brain Sciences
- > Max Planck Institute for Mathematics in the Sciences



UNIVERSITÄT LEIPZIG

- > BBZ Centre for Biotechnology and Biomedicine
- > iDiv German Centre of Integrative Biodiversity Research
- > France Centre
- > HDS Centre for Higher Education Didactics
- > ICCAS Innovation Centre of Computer Assisted Surgery
- > IZBI Interdisciplinary Centre for Bioinformatics
- > Centre of Excellence Understanding Adiposity
- > KReDo Centre of Excellence for Right-Wing Extremism and Democracy Research
- > ReCentGlobe Leipzig Research Centre for Global Dynamics
- > LFE Leipzig Research Centre for Early Childhood Development
- > LIFE Leipzig Research Centre for Civilization Diseases
- > Leipzig Centre of Excellence for Child and Youth Development
- > SIKT Saxon Incubator for Clinical Translation
- > FraGes Centre for Women's and Gender Studies
- > ZfH Centre for Sport in Higher Education
- > ZKS Clinical Trial Centre Leipzig
- > Centre for Teacher Training and School Research
- > MRZ Magnetic Resonance Centre
- > Centre ZMP for Media Production
- > ZESBO Centre for the Study of the Musculoskeletal System

Other research institutes:

- > DBFZ German Biomass Research Centre
- > iDiv German Centre of Integrative Biodiversity Research
- > KUZ Leipzig Plastics Centre
- > Institute of Energy and the Environment
- Saxon Academy of Sciences in Leipzig

Fraunhofer

- > IZI Fraunhofer Institute for Cell Therapy and Immunology
- > IMW Fraunhofer Centre for International Management and Knowledge Economy



- > GWZO Leibniz Institute for the History and Culture of Eastern Europe
- > Leibniz Institute of Geography
- > Leibniz Institute for Surface Modification
- > Leibniz Institute of Troposphere Research
- Institute for Jewish History and Culture Simon Dubnow



> HHL Leipzig Graduate School of Management



Hochschule für Technik, Wirtschaft und Kultur Leipzig

- > HTWK Leipzig University of Applied Sciences
- > Research and Transfer Centre of HTWK Leipzig

Other institutions of higher education:

- > Saxon University of Cooperative Education
- > DHfPG German University of Prevention and Health Management
- > FernUniversität Hagen, Leipzig Regional Centre
- > FOM College of Business and Management
- > HFH Hamburg University of Applied Sciences, Leipzig Study Centre
- > HGB Academy of Fine Arts Leipzig
- > University of Music and Theatre Felix Mendelssohn Bartholdy
- > Macromedia University of Applied Sciences
- > IUBH University of Applied Sciences, Leipzig branch
- > Lancaster University Leipzig



SaxoChiLD joins the DZKJ German Centre for Child and Youth Health

The project SaxoChiLD (Saxonian Child Health Innovation Leipzig-Dresden) is to be a partner of the new DZKJ German Centre for Child and Youth Health. Scientists from Leipzig University and Dresden University of Technology will be working alongside researchers from the UFZ Helmholtz Centre for Environmental Research to tackle important questions such as: What do children need to grow up healthy? How is their development supported or threatened by changes in the environment? How can we recognize, understand and counteract risks at an early stage? The BMBF Ministry of Education and Research has agreed to provide €3.5 million to set up the DZKJ, which is intended to complement the successful model of the German Centres for Health Research. The overarching aim is to create ideal research conditions to better combat widespread diseases.

_ www.saxochild.de

LIFE Child celebrates its 10th anniversary

LIFE Child has been researching various influences on children's health since 2011. Children and adolescents as well as their families (starting in some cases during pregnancy) are examined annually. In the last two years, questions about the impact of the COVID-19 pandemic on children's health have been addressed - regarding not just the infection itself, but also the consequences of lockdown. Another key area of research contributing to the maintenance and improvement of children's health comprises research into external influences such as the media, the climate, the built environment, political attitudes, and socio-economic aspects, as well as the search for suitable safeguards.

Helmholtz Institute for Metabolic, Obesity and Vascular Research

Founded in 2018, the HI-MAG Helmholtz Institute for Metabolic, Obesity and Vascular Research is a joint project by the Helmholtz German Research Centre for Environmental Health in Munich, the Faculty of Medicine at Leipzig University, and Leipzig University Hospital. HI-MAG investigates

the molecular basis of morbid obesity to enable precise therapies for obesity and its secondary diseases with the help of a clinical and translational research approach.

_ www.helmholtz-muenchen.de

Leipzig Research Centre for Civilization Diseases and the SMITH Consortium

The aim of the LIFE Research Centre is to investigate diseases of affluence. For this purpose, data on the health and living conditions of the population of Leipzig is being collected and made available for research purposes. Since 2011, about 21,000 test persons have been epidemiologically examined in the LIFE adult study centre. The findings have provided the basis for about 500publications in the last ten years. Currently, two cohorts of test persons are being studied. On the one hand, the test persons from the NAKO Health Study from 2018 to 2023 are being invited for another round of examinations. Moreover, a research project has been launched by the Faculty of Medicine at Leipzig University with generous support from the Free State of Saxony, in which 300 people who have recovered from coronavirus are being examined to analyse the consequences of long COVID.

_ www.life.uni-leipzig.de

SMITH: Sustainably improving clinical research and patient care

The LIFE Management Cluster organizes studies and analyses carried out by the LIFE Research Centre and other major projects by the Faculty of Medicine. It's currently focusing on the administration of the SMITH Consortium funded by the German government's Medical Informatics Initiative and its follow-up and supplementary projects. The SMITH Consortium currently comprises ten university hospitals, three universities, and five companies and research institutions. Since 2018, the LIFE Management Cluster has acquired several investment projects for the further development of the Leipzig Medical Biobank (€1.75 million) as well as two additional projects associated with the Medical Informatics Initiative (approximately €1.2. million).

_ www.smith.care

SIKT Saxon Incubator for Clinical Translation

The SIKT Saxon Incubator for Clinical Translation is an interdisciplinary scientific centre at Leipzig University and a research platform for clinical translation that's unique in Germany. Its goal is to develop innovative, personalized biomedical solutions to clinically defined key problems relevant to public health and with high socio-economic impact to market maturity or routine clinical application. SIKT acts as a translation hub which accelerates clinical translation through the two-way networking of excellent clinical university medicine with world-renowned top researchers and young scientific talents, brings it promptly into patient application, and thus promotes transfer to Saxon industry.

_ www.sikt.uni-leipzig.de



Neuropathologist Dr Ruth Stassart has received a European Research Council Starting Grant of around €1.5 million for research into new therapeutic approaches to treat nervous diseases.

Innovation Center for Computer Assisted Surgery

The Innovation Center for Computer Assisted Surgery is an interdisciplinary institute and research centre at the University of Leipzig's Faculty of Medicine and constitutes the university transfer centre for medical technology in Saxony and central Germany. Working in partnership, experts from the fields of medicine, computer science and engineering develop state-ofthe-art medical technologies to improve diagnosis, therapy decisions and surgical interventions. Other current areas of research include solutions based on artificial intelligence and robotics. ICCAS acts as an interface between clinical requirements and economic implementation and conducts research in close cooperation with industry partners from Germany and abroad. The Saxon Medical Transfer Centre has an EN ISO 13485 certified quality management system in place and benefits from its close links to Leipzig University Hospital. In addition, ICCAS is in close touch with local and regional scientific institutes.

_ www.iccas.de



In the new research project KAIT, an Al-based digital health platform for therapeutic decision support for patients with complex blood diseases is being developed in collaboration with industry partner Janssen Germany and Leipzig University Hospital.

Leipzig University's BBZ Centre for Biotechnology and Biomedicine

The BBZ Centre for Biotechnology and Biomedicine at Leipzig University is one of the two bio-innovation centres in Saxony. With its modern research infrastructure, this interdisciplinary centre offers researchers from the natural and life sciences as well as medicine a platform for collaboration and applied research projects. Researchers develop and validate

drugs, technologies and methods for use in biotech, human and veterinary medicine, and pharmaceuticals. BBZ also supports technology transfer, enabling the market potential of existing research findings and technologies to be better recognized and transferred more rapidly to industrial applications.

_ www.bbz.uni-leipzig.de

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IZI Fraunhofer Institute for Cell Therapy and Immunology



IZI employs almost 450 people in Leipzig and another 200 at its branches in Potsdam, Halle and Rostock.

The IZI Fraunhofer Institute for Cell Therapy and Immunology researches and develops specific solutions at the interfaces of medicine, the life sciences and engineering. One of its main responsibilities is contract research for biotechnological, pharmaceutical and biomedical engineering companies, hospitals, diagnostics laboratories and research centres. IZI develops, optimizes and validates innovative techniques, materials and products in the fields of cell and genetic therapy, active agents and vaccines, molecular and immune diagnostics, and extracorporeal therapies. It has extensive expertise in the fields of cell biology, immunology, pharmaceutical biochemistry, bioanalysis and bioproduction as well as process development and automation. Research focuses on developments in the field of cancer immunotherapy and infectious pathology. R&D activities are conducted under biological protection level 3 and highly infective pathogens are examined in IZI's S3 laboratory.

_ www.izi.fraunhofer.de

* GMP: Good manufacturing practices — internationally agreed guidelines for drug products

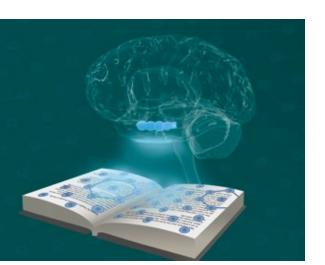
Max Planck Institute for Evolutionary Anthropology

Founded in 1997, the institute explores the history of mankind by comparatively analysing the genes, cultures, cognitive abilities, languages and social systems of human populations past and present as well as of closely related primates. The concentration of these fields enables new insights into the history, diversity and abilities of the human species. The institute has around 430 staff working in five departments, two Max Planck research groups, and a Lise Meitner Group.

_ www.eva.mpg.de



In genetic archaeology, researchers decipher the genetic material of ancient forms of human life. The Max Planck Institute for Evolutionary Anthropology brings together scientists from various fields taking an interdisciplinary approach to studying the evolution of mankind.



Max Planck Institute for Human Cognitive and Brain Sciences

The institute's goal is to explore cognitive abilities and cerebral processes in humans. One main focus of the research is on the fundamental mechanisms of human thought and the neuronal bases of higher brain functions such as language, memory, orientation, music and communication. Attention is paid to how they are perceived, processed, planned and produced, yet also how perception and production influence each other. Furthermore, the brain's capacity to make plastic changes and its influence on various cognitive abilities as well as the neuronal and hormonal basis of diseases of affluence such as high blood pressure and obesity are investigated. Another key area of research in the neurosciences is the further development of imaging techniques such as magnetic resonance imaging.

_ www.cbs.mpg.de

UFZ's integrated system for monitoring COVID-19 in sewage

The number of unreported cases of COVID-19 (and hence an exact figure for the infected share of the population) is a key parameter in the epidemiological assessment of a pandemic. A team of more than 20 sewage experts, microbiologists, virologists and modellers from the UFZ Helmholtz Centre for Environmental Research, the DWA German Association for Water, Wastewater and Waste, and Dresden University of Technology is currently working together with sewage treatment plant operators

from Leipzig, Dresden, the Eifel-Rur Water Association, and another 21 cities to directly measure total infection levels from representative sewage samples from their catchment areas. The continuous sampling of sewage treatment plants in Saxony is funded by the Free State of Saxony. This concept will in due course also be applied to other pathogens and future outbreaks.

www.ufz.de



1,214 members of staff



> **430** externally funded research projects in 2020



79 patents

DBFZ: Research for a sustainable future

In the future use of biomass, issues such as food and supply security, developing innovative products and markets within the bioeconomy, climate and environmental protection, and the development of rural areas all need to be harmonized. As a central pioneer in the exploitation of biomass as a source of energy, DBFZ investigates how the limited biomass available can be smartly and efficiently contributed to our current and future energy system. Research by DBFZ is intended to advance human knowledge about the possibilities and limitations of the integrated use of renewable raw materials for energy in a bio-based economy — and also to safeguard the outstanding position of Germany industry in this sector.

_ www.dbfz.de



The DBFZ German Biomass Research Centre conducts research into bioenergy and the bioeconomy.

findinas.

iDiv: Serving biodiversity



The iDiv German Centre of Integrative Biodiversity Research was set up with the backing of the DFG German Research Foundation and has about 450 staff and members at its sites in Halle, Jena and Leipzig. Researchers from 40 nations develop the scientific basis for the sustainable use of our planet's biodiversity. iDiv's successful research is made possible by a consortium of eleven partners in three regions of Germany: the universities of Halle, Jena and Leipzig, the UFZ Helmholtz Centre for Environmental Research, and seven non-university research centres.

Researchers from around the world frequently attend workshops in Leipzig. At the sDiv Synthesis Centre, they use existing data and knowledge to develop new

_ www.idiv.de

95



KUZ Leipzig Plastics Centre

Acting sustainably and with its sights set on the future, the KUZ Leipzig Plastics Centre has been carrying out research and development for plastics processing and applications since 1960. Its research currently focuses on lightweight construction, functionalization and miniaturization as well as technology and innovation research for plastics technology solutions. One key aspect is the optimization of processes and products with regard to resource and energy efficiency, Plastics Industry 4.0, artificial intelligence and applied digitization. KUZ is active in various networks and research associations to promote and utilize the potential synergy of a nationwide professional network.

_ www.kuz-leipzig.de

Max Planck Institute for Mathematics in the Sciences

Operating at the interface between mathematics and the natural sciences, this Max Planck Institute has come to be regarded as one of the world's foremost mathematical research centres. Mathematical models and methods are increasingly important in today's society, forming the basis of fundamental processes in business, the economy, industry, medicine and politics. Moreover, mathematicians are prompted to search for new mathematical structures and methods by fundamental questions raised in the natural sciences.

This integration forms the crux of work at the institute. Researchers tackle a wide range of themes in pure and applied mathematics such as random dynamic systems, the mathematical analysis of materials, complex biological systems and economic processes, aspects of geometry, theoretical physics, nonlinear algebra and algebraic statistics, and information theory of cognitive systems.

_ www.mis.mpg.de

IOM Leibniz Institute for Surface Modification

IOM is involved in the research, development and modification of surfaces, mainly by employing ion, electron, laser and plasma techniques. Work in the fields of functional and precise surfaces is enabled by a wide variety of tools and technologies. Its activities include both exploring fundamental phenomena and the translation of

scientific findings into industrial and social applications. To this end, IOM collaborates closely with universities as well as research partners and commercial companies in Germany and abroad, especially in the areas of optics, medicine, microelectronics, and mechanical engineering.

_ www.iom-leipzig.de

GWZO Leibniz Institute for the History and Culture of Eastern Europe

The Leibniz Institute for the History and Culture of Eastern Europe (GWZO) embodies a unique approach to the major European region between the Baltic, the Black Sea and the Adriatic which, in historical, political, economic and cultural terms, is extremely important for Germany. The unique aspect of the research conducted by GWZO is its huge geographical scope, which calls for a special approach combining comparative,

interdisciplinary and transnational studies, and which takes into account the entire historical depth from the transition from ancient to medieval times up to the present day. Some 50 researchers from Germany and abroad working at GWZO represent various disciplines of the humanities including archaeology, onomastics, history, art history and literary studies.

_ www.leibniz-gwzo.de

TROPOS Leibniz Institute for Tropospheric Research

TROPOS is an internationally leading institute in interdisciplinary applied basic research into aerosols and clouds as well as their interactions. It assesses, understands and models the physicochemical processes involving tropospheric aerosols and clouds from the molecular and micro scales to long-range transport into areas with different levels of pollution. One particular strength of TROPOS is the joint investigation of tropospheric processes in the laboratory, in the field, and in models. With around 180 members of staff and a budget of about €10 million, TROPOS also acts as an advisor to politicians, society and the research community on matters regarding the environment and the climate.

_ www.tropos.de



Seven researchers from TROPOS and Leipzig University took part in MOSAiC 2019/20, the biggest Arctic Expedition ever.

Leibniz Institute for Jewish History and Culture - Simon Dubnow

At the Dubnow Institute, some thirty academics conduct interdisciplinary research on Jewish life in central and eastern Europe from the Middle Ages to the present day. Its research work takes a pan-European perspective and includes other areas of the Jewish diaspora. The institute follows the secular tradition of its namesake

Simon Dubnow (1860–1941), a Russian-Jewish historian who acted as a cultural mediator between east and west European Jewry. Research findings are disseminated through publications, events and teaching.

_ www.dubnow.de

IfL Leibniz Institute for Regional Geography

The IfL Leibniz Institute for Regional Geography analyses social processes from geographical perspectives and provides knowledge for sustainable, regionally balanced development concepts. A member of the Leibniz Association, IfL combines basic research and knowledge transfer. With approximately a hundred members of staff, it conducts research on current socio-

spatial developments in Europe, especially in eastern Europe and Germany. IfL uses cartographic materials to disseminate its research findings. It also deals with the question of how we as a society and as researchers present and share geographical information by means of maps in the age of advancing digitalization.

_ www.leibniz-ifl.de

IMW Fraunhofer Centre for International Management and Knowledge Economy

IMW conducts socioeconomic research to support clients and partners from business, industry, politics, research and society to benefit from complex transformation processes such as digitalization, globalization and structural change. The 236-strong interdisciplinary research team based in Leipzig and also its Center for Economics of Materials set up in Halle in 2020 aid businesses, organizations, and regional and local

government with qualitative and quantitative analyses, networking activities, and recommendations for action. IMW's key areas of expertise are digital added value, platform economics, regional transformation, knowledge and technology transfer, technology economics, and corporate development in international competition.

www.imw.fraunhofer.de



Statistics

Statistics

1. Population

Population 2018-20

	2018	2019	2020
City of Leipzig	587 857	593 145	597 493
District of Greater Leipzig	257,763	258,139	258,386
District of North Saxony	197,673	197,741	197,444
Saxony	4,077,937	4,071,971	4,056,941

Source: Saxon Department of Statistics; figures updated every December; data from 2011 onwards based on 2011 census

Migration

	2018	2019	2020
Total influx	36,395	36,960	34,051
Total outflux	30,370	31,750	29,402
Migration balance	6,025	5,210	4,649

Source: Saxon Department of Statistics

2. Labour market

Registered employees by place of employment

	2018	2019	2020
Employees in the City of Leipzig	273,527	277,145	279,454
Employees in the District of Greater Leipzig	78,756	79,502	79,427
Employees in the District of North Saxony	74,412	75,039	74,990
Total registered employees	426,695	431,686	433,871
Of whom in following segments (WZ 2008)			
Agriculture, forestry and fishing	3,850	3,883	3,747
Mining, energy and water supply, energy sector	8,716	8,932	9,054
Manufacturing industry	53,200	53,305	52,133
Construction	27,024	27,666	27,745
Sale, servicing and repair of motor vehicles	53,689	53,868	52,763
Transport and storage	33,680	34,108	36,170
Hospitality sector	14,978	15,730	14,359
Information and communication	18,616	19,351	20,007
Finance and insurance	8,685	8,892	8,987
Real estate, freelance scientific and technical services	33,906	35,134	35,969
Other business services	44,198	42,960	43,370
Public administration and defence, social security/extraterritorial organizations and			
institutions	21,835	21,856	21,979
Childcare and teaching	25,448	24,667	25,063
Healthcare and social services	63,137	65,170	66,608
Other service activities, private households	15,733	16,164	15,917

Sources: German Employment Agency, Saxon Department of Statistics; figures updated every December

Unemployment

	Unemployment (German Social Code II+III)			Unemployment rate (%)					
		Change on previous year				Change on previous yea			
	2019	2020	2021	%	2019	2020	2021	%	
City of Leipzig	19,329	25,727	22,948	-10.8	6.3	8.1	7.1	-1.0	
District of Greater Leipzig	6,368	7,495	6,955	-7.2	4.8	5.6	5.2	-0.4	
District of North Saxony	6,432	7,360	6,779	-7.9	5.9	6.9	6.4	-0.5	

Source: German Employment Agency; figures updated every July

Employment by company size

	2018	2019	2020
Up to 9 employees	34,196	34,494	33,334
10-49 employees	55,436	55,779	56,101
50-249 employees	71,183	75,357	75,092
250+ employees	95,159	95,145	97,497

Source: Saxon Department of Statistics

3. Education and training

Higher education

Name	Founded	Bachelor's programmes	Master's programmes	Diploma programmes	Doctorates	Staff	Of whom academic personnel	Students
Leipzig University ¹	1409	51	79 ¹	3	Yes	5,528	3,387	31,058
HTWK Leipzig University of Applied Sciences	1992	24	21	1	Yes ⁴	642	322	6,452
Felix Mendelssohn Bartholdy University of Music and Theatre	1843	15	37	6 ²	Yes	177	123³	1,244
HGB Academy of Fine Arts Leipzig	1764	0	1	4	Yes	105	63	563
Saxon University of Cooperative Education	1993	5	0	0	No	30	18	570
HHL Leipzig Graduate School of Management	1898	0	4	0	Yes	143	76	756
Macromedia University of Applied Sciences	20065	6	3	0	No	23	13	200
Lancaster University	2019	4	1 (from Oct '22)	0	Yes	25	7	130

¹ Also 9 programmes leading to the State Examination and 7 further training programmes. ² 6 state exam programmes and 5 masterclass programmes. ³ In addition, about 360 non-permanent lecturers (artists, scholars, teachers) for specific subjects. ⁴ In conjunction with university partners. ⁵ Leipzig Campus of Macromedia University of Applied Sciences founded in 2019 through merger with Vitruvius College of Design.

Sources: Details provided by the universities and colleges; figures pertain to summer semester 2020

Apprentices in commerce and industry Apprenticeships at 31 December 2020

Occupational group	Total	Female
Industrial and technical	3,095	349
Including:		
Metalworking	1,403	137
Electrical engineering	861	48
Construction, mining, quarrying	358	18
Chemistry, physics, biology	136	47
Wood	45	3
Paper, printing	197	72
Leather, textiles, clothing	3	2
Food and tobacco	40	13
Glass, ceramics, jewellery	22	0
Special industrial occupations	30	9
Commercial and business	4,551	2,158
Including:		
Industry	170	75
Commerce	1,289	680
Banking	155	76
Insurance	107	39
Hospitality	642	286
Transport	520	211
Others	1,523	733
Special commercial occupations	145	58
Total apprenticeships	7,718	2,507

Source: Leipzig Chamber of Commerce and Industry, 31 December 2020

Apprentices in small industries and skilled trades Apprenticeships at 31 December 2020

Total	Female
464	51
1,623	46
145	18
20	13
100	38
469	282
51	24
301	202
207	34
105	9
3,489	718
	464 1,623 145 20 100 469 51 301 207

New apprenticeships 2020/21 by district	
City of Leipzig	706
District of Greater Leipzig	408
District of North Saxony	263
Total	1,377

Source: Leipzig Chamber of Small Industries and Skilled Trades, 31 December 2020

4. Private sector

Size of companies by workforce

	2017		201	2018		2019		2020	
	No.	%	No.	%	No.	%	No.	%	
Total businesses ¹ Of which:	26,134	100.0	26,449	100.0	26,701	100.0	27,278	100.0	
Up to 9 employees	22,714	86.9	22,925	86.7	23,088	86.5	23,322	86.5	
10-49 employees	2,604	10.0	2,675	10.1	2,724	10.2	3,010	10.2	
50-249 employees	684	2.6	714	2.7	756	2.8	801	2.8	
250+ employees	132	0.5	135	0.5	133	0.5	145	0.5	

¹ Multi- and single-location businesses with registered employees in the year under review and single-location businesses without registered employees but with taxable revenue from products and services in the year under review in Sections B–N and P–S of WZ 2008 Source: Saxon Department of Statistics

Enterprises and operating facilities in the Leipzig region

	2018	2019	2020
CCI companies in the City of Leipzig	44,427	44,596	44,324
CCI companies in the District of Greater Leipzig	14,920	14,813	14,129
CCI companies in the District of North Saxony	11,231	11,115	10,627
Total	70,578	70,524	69,080
Of which in the following segments (WZ 2008):			
Agriculture, forestry and fishing	513	526	531
Mining and quarrying of minerals	58	57	55
Manufacturing industry	2,330	2,312	2,362
Energy supply	2,179	2,229	960*
Water supply, sewage and waste disposal, environmental clean-up	325	324	314
Construction	3,593	3,594	3,636
Sale, servicing and repair of motor vehicles	14,468	14,287	14,133
Transport and storage	2,249	2,225	2,206
Hospitality	3,658	3,639	3,635
Information and communication	3,927	3,969	4,106
Finance and insurance	3,780	3,735	3,709
Real estate and housing	3,525	3,695	3,732
Freelance, scientific, technical and other economic services	12,539	12,580	12,490
Other scientific services	9,432	9,309	9,205
Public administration and defence	0	0	0
Childcare and teaching	1,194	1,271	1,305
Healthcare and social services	1,236	1,259	1,298
Arts, entertainment and recreation	2,137	2,145	2,165
Other service activities	3,434	3,367	3,237
Private households with domestic personnel	1	1	1

Businesses in Leipzig Chamber of Small Industries and Skilled Trades

			2018	2019	2019
Businesses in the City of Leipzig			5,280	5,439	5,541
Businesses in the District of Greater Leipzig			3,769	3,759	3,756
Businesses in the District of North Saxony			2,811	2,812	2,832
Total businesses			11,860	12,010	12,129
Segments:					2020/Of which in City of Leipzig
Construction and finishing	3,371	3,389	3,327/1,342	3.389	3.327/1.342
Electrical/metalworking	3,392	3,389	3,366/1,347	3.389	3.366/1.347
Wood and wood products	1,068	1,091	1,100/444	1.091	1.100/444
Clothing/textiles	683	669	716/385	669	716/385
Food	315	321	320/120	321	320/120
Health/cleaning	2,363	2,441	2,556/1,436	2.441	2.556/1.436
Glass/paper/ceramics	668	710	744/467	710	744/467

Source: Leipzig Chamber of Small Industries and Skilled Trades

Source: Leipzig Chamber of Commerce and Industry 2021; companies registered at year end.

* Small-scale photovoltaic operators with an output of up to 10 kW are no longer subject to trade tax and are hence no longer required to join the CCI.

Business registrations

	2018	2019	2020
Total registrations	5,356	5,379	5,130
Of which:			
Start-ups	4,779	4,829	4,515
Relocation to Leipzig	420	396	453
Takeovers	157	130	162
Total closures	4,729	4,757	4,301
Of which:			
Cessations	3,985	3,945	3,552
Relocation from Leipzig	490	489	525
Handovers	254	258	224
		Causas Causa Danasta	

Source: Saxon Department of Statistics

Clusters at a glance

constant at a Source						
	2018	В	2019	9	2020)
	Businesses	Employees	Businesses	Employees	Businesses	Employees
Automotive & Suppliers	779	19,041	776	19,378	775	19,090
Energy & Environment	1,345	12,256	1,336	12,532	1,363	12,606
Energy	337	3,945	339	4,084	357	4,069
Environmental engineering	1,008	8,312	997	8,448	1,006	8,537
Healthcare & Biotech	2,593	43,724	2,613	44,696	2,679	45,008
Logistics	1,604	38,789	1,609	36,983	1,610	35,901
Freight logistics	1324	34,598	1,337	32,712	1,347	31,496
Passenger logistics	280	4,191	272	4,271	263	4,405
Media & Creativity	4944	34,160	5,029	35,972	5,184	35,662
Information and communications technology	1219	13,900	1,239	14,723	1,276	14,761
Printing and publishing	586	2,378	603	2,298	612	2,261
Broadcasting and film	242	3,915	246	4,025	248	4,095
Arts and music	949	3,487	951	3,475	994	3,421
Advertising and PR	611	1,659	619	1,835	624	1,749
Architecture and design	591	1,016	615	1,109	649	1,038
Trade shows and services	745	7,805	757	8,508	782	8,337

Sources: Leipzig Office for Statistics and Elections, Saxon Department of Statistics, register of companies; calculations by the Office for Economic Development

Manufacturing industry

	Unit	2018	2019	2020
Businesses ¹	Qty.	69	68	68
Employees ²	Qty.	20,109	20,196	19,795
Total turnover	€′000	9,574,937	9,144,088	8,340,688
Export share ³	%	51.3	53.7	50.9

¹ Firms with 50+ employees. ² Annual average. ³ Share of foreign sales of internal production. Source: Saxon Department of Statistics

Manufacturing industry by workforce

	2018	2019	2020
Total businesses ¹	155	167	167
Of which:			
Under 50 employees	96	98	99
50-99 employees	32	34	33
100-249 employees	23	20	21
250-499 employees	10	11	12
500+ employees	4	4	2

¹ Firms with 20+ employees. Source: Saxon Department of Statistics

Planning permission and building completions

	2018	2019	2020
Total buildings (planning permission)	1,081	1,107	1,152
Total buildings (completions)	878	1,083	840

Source: Saxon Department of Statistics

Construction industry

	Unit	2018	2019	2020
Businesses at the end of June	Qty.	552	530	565
Employees at the end of June	People	5,360	5,670	5,430
Gross total wages in June	€′000	13,570	14,358	15,091
Hours worked in June	'000 hours	560	555	563
Total turnover in June	€′000	76,574	78,710	77,065
Per employee	€	14,286	13,882	14,192
Total annual turnover	€′000	792,124	786,832	887,375
Per employee	€	147,784	138,771	163,421

Source: Saxon Department of Statistics

Finishing trade

	Unit	2018	2019	2020
Businesses at the end of Q2	Qty.	166	170	210
Employees at the end of Q2	People	4,364	4,525	5,010
Gross total wages in Q2	€′000	34,548	37,696	41,721
Hours worked in Q2	'000 hours	1,402	1,421	1,527
Turnover in Q2	€′000	125,619	139,812	154,302
Annual turnover in previous year	€′000	489,138	546,197	637,263

Source: Saxon Department of Statistics; figures updated every June

Hospitality sector

	Businesses in 2020	Employees in 2020	Turnover in 2019
Hospitality (total businesses)	2,160	10,878	€543,377,000
Of which:			
Accommodation	273		
Cafés, bars and restaurants	1,887		

Sources: Leipzig Chamber of Commerce and Industry, Saxon Department of Statistics

Tourism: Bed capacity and occupancy

Total hotels and accommodation businesses	2018	2019	2020
Total businesses	134	143	146
Total beds	17,931	20,045	22,012
Average occupancy of available beds (%)	50.9%	47.3%	27.6%

Source: Saxon Department of Statistics; figures updated every July

Arrivals and overnight stays

	2018	2019	2020
Arrivals	1,836,797	1,929,694	984,503
Overnight stays	3,376,257	3,602,857	1,959,147
Average stay in days	1.8	1.9	2.0

Quelle: Statistisches Landesamt Sachsen.

Trade and commerce

	Businesses in 2020	Employees in 2020	Turnover in 2019
Trade and commerce (total)	7,867	31,185	€4,553,067,000
Of which: Retail	4,996		

Sources: Leipzig Chamber of Commerce and Industry, Saxon Department of Statistics

Banking and insurance

	Businesses in 2020	Employees in 2020	Total turnover in 2019
Financial and insurance services (total) ¹	2,174	7,470	Data no longer published (data protection)
Of which: Financial services ²	494		
Insurance, reinsurance and pension funds ³	38		
Brokerage of financial services/investment consultants	259		
Insurance brokers/agents	1,164		

Source: Leipzig Chamber of Commerce and Industry, Saxon Department of Statistics

5. Finance

Gross domestic product and gross value added in €m

	City of Leipzig			
	2017	2018	2019	
GDP	20,720	21,722	22,889	
Per head	35,938	37,137	38,762	
Per person in work	61,629	63,420	65,914	
GVA at manufacturing prices	18,680	19,574	20,614	
Of which:				
Agriculture, forestry and fishing	9	10	10	
Manufacturing industry	4,073	3,980	4,170	
Of which:				
Processing industry	2,619	2,470	2,548	
Construction	989	1,027	1,172	
Service sector	14,598	15,583	16,434	
Of which:				
Commerce, transportation and warehousing, hospitality, information and communication	4,390	4,571	4,912	
Finance, insurance and business services, real estate activities	4,979	5,567	5,720	
Public and other service providers, education and health, private households with employed persons	5,229	5,445	5,803	

Sources: 'Accounting Statistics of the Länder' working party on behalf of the departments of statistics of the 16 Länder, the Federal Statistical Office and the Civic Office for Statistics and Elections (July 2017), gross domestic product, gross value added in all the districts and independent cities in the Federal Republic of Germany, 1992, 1994—2015, Series 2, Volume 1, Frankfurt am Main

VAT-registered entrepreneurs and their trade receivables

	2017	2018	2019
Enterprises liable to VAT	20,197	20,332	20,598
Taxable transactions, total (€000)	24,670,676	34,323,025	39,043,036
Of which:			
On trade receivables (€00)	24,194,617	33,683,828	38,312,603
VAT before deduction of input tax (€000)	13,521,116	20,290,897	
Deductible input tax (€000)	12,552,863	19,342,707	
Advance VAT payments (€000)	968,256	948,193	

Source: Saxon Department of Statistics

Income

	2019	2020	2021
Purchasing power (€m)	12,219 ¹	11,883¹	12,783¹

¹ MB Research GmbH

¹ Includes performance of financial services, insurance, reinsurance and pension funds as well as activities related to financial and insurance services (e.g. insurance agents and investment consultants); figures include branches ² Apart from banks, this category includes other financial institutions (e.g. leasing companies), investment companies, Treuhand privatization agency and other funds, and pawnshops; figures exclude branches ³ Many insurance companies own general and specialized life and health insurance subsidiaries (e.g. Allianz Versicherungs AG and Allianz Lebensversicherungs AG, Debeka Lebensversicherung and Debeka Krankenversicherung), which are counted separately; figures do not include operating facilities

Tax revenue of the City of Leipzig (€m)

Tax type	2018	2019	2020
Property tax A	0.23	0.25	0.24
Property tax B	95.77	96.53	97.19
Gross trade tax	336.90	350.08	235.56
Local authority share of income tax revenue	176.01	187.74	179.13
Local authority share of VAT	56.63	62.78	68.87
Entertainment tax	4.62	2.95	0.75
Dog tax	2.02	2.13	2.24
Second-home tax	1.81	1.46	1.43
Tax revenue (gross)	673.99	703.91	585.40
Trade tax levy	-23.52	-27.07	-18.61
Total tax revenue (net)	650.47	676.84	566.78

Sources: City of Leipzig, Leipzig City Treasurer's Office; updated September 2021

Level of debt, borrowing and debt servicing

	Unit	2018	2019	2020
Level of debt at the end of the year	€′000	528,690	478,190	511,970
Population	Inhabitants	587,857	593,145	597,493
Per capita debt	€	899	806	857
Borrowing	€′000	0	0	84,279
Debt servicing:				
Repayment	€′000	51,498	50,498	50,499
Interest	€′000	7,713	6,915	5,766

Source: Saxon Department of Statistics

Tax assessment rates in Leipzig

	2018	2019	2020
Property tax A	350%	350%	350%
Property tax A	650%	650%	650%
Trade tax	460%	460%	460%

Source: City of Leipzig, Leipzig City Treasurer's Office

6. Public procurement by the City of Leipzig in 2020

Works and service contracts awarded by contractor's location

		Volume		No. of contracts	
	€′000	%		%	
Metropolitan Region of Central Germany and District of North Saxony	5,189.7	50.68	127	48.85	
Leipzig region	79,212.8	47.13	104	40.00	
Rest of Germany	82,861.6	49.30	132	50.77	
Abroad	36.5	0.02	1	0.38	
Total	168,087.7	100.0	260	100.0	
				0 11 0: 1:1 : :	

Quelle: Stadt Leipzig.

Building contracts awarded by contractor's location

	Volume		No. of	No. of contracts	
	€′000	%		%	
Saxony	90,683	77	382	70	
Leipzig region	61,836	52	261	48	
City of Leipzig	22,766	19	91	17	
Metropolitan Region of Central Germany and District of North Saxony	74,963	64	320	59	
Rest of Germany	27,325	23	160	30	
Other EU Member States	-	0	0	0.00	
Total	118,008	100	542	100	

Source: City of Leipzig.

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46%

more registered employees since 2005



116,000

more inhabitants since 2005



Leipzigers are

friendly and obliging



Cultural

diversity of a much bigger city



40,000

students in higher education in Leipzig



20

new schools by 2030



Porsche & BMW

are continuing to invest



RB Leipzig

play in the UEFA Champions League



Fourth-biggest

European air cargo hub



13 new lakes

in Leipzig New Lakeland



1 hour

from Berlin, 3 hours from Hamburg, Frankfurt and Munich



15,700

listed buildings – more than anywhere else in Germany

City of Leipzig

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