

## CALL FOR APPLICATIONS -

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Join the EfficienCE User Forum!

Open: 15 January 2020

Close: 16 March 2020

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GDAŃSK UNIVERSITY OF TECHNOLOGY

Leipziger Verkehrsbetriebe



Plzeňské městské dopravní podniky **PMDP**



City of Leipzig



University of Maribor  
Faculty of Civil Engineering,  
Transportation Engineering  
and Architecture



COMUNE DI BERGAMO



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1. **EfficienCE**

EfficienCE is a cooperation project funded by the Interreg CENTRAL EUROPE programme that aims at reducing the carbon footprint in the region. Most Central European cities have extensive public transport systems, which can form the basis of low-carbon mobility services. More than 63% of commuters in the region are using public transport. Measures to increase the energy efficiency and share of renewables in public transport infrastructure can thus have a particularly high impact on reducing CO<sub>2</sub>.

This is achieved by supporting local authorities, public transport authorities and operators by developing planning and financing strategies and action plans, implementing pilot actions, developing tools and trainings to plan and operate low-carbon infrastructure, and by transferring knowledge and best practices on energy-efficient measures across Central European regions.

Twelve partners, including seven public transport authorities/companies from seven countries are working together for three years to exploit the untapped potentials in this sector and to contribute to the EU's 'White Paper' goals to cut transport emissions by 60 percent by 2050 and to halve the use of 'conventionally fuelled' cars in urban transport by 2030.

In the following, details on the purpose, activities, eligibility criteria, budget, submission and selection procedures, as well as call timing and deadlines, are described.

2. **Call for Applications for EfficienCE User Forum**

This call for applications for the EfficienCE User Forum aims to select 9 public transport authorities/companies from the CEE region that are interested in realizing a pilot or adopting managerial approaches in energy efficient public transport infrastructure. The selected authorities/companies will benefit from a knowledge transfer scheme with EfficienCE partners for these pilots or approaches.

Public transport authorities or companies will be expected to participate in the following capacity building activities:

- participation at User Forum meetings (workshops and webinars) and
- site visit to a pilot demonstration in an EfficienCE partner city,

in the following EfficienCE topics piloted by project partners:

<p>Vienna (AT): Implementation of photovoltaic integration at metro station</p>	<p><i>For the realisation of its pilot, Wiener Linien is planning to install a first-of-its-kind PV-system in CE with a power of 65-75kWp on the roof of one of their metro stations. This will generate locally produced energy of around 70.000 kWh per year that will be fed directly into the stations' energy system to power station energy auxiliaries such as lighting or escalators. Wiener Linien will invest into a new innovative PV-system which does not need any frame and is a lightweight construction (foil-like thin).</i></p>
<p>Gdynia (PL):</p>	<p><i>PKT Gdynia attempts to limit existing energy losses within the trolleybus network by making use of recuperated braking energy. If not used directly by the braking vehicle's auxiliary units or other nearby vehicles on the network, recovered braking energy is otherwise dissipated in the form of</i></p>



Using recuperated braking energy and renewable energy sources to power the trolley depot	<i>heat in the braking resistors placed on the grid. The recovered and unused braking energy as will be used to power the building of the trolleybus depot. This will be realised by deploying an innovative energy inverter allowing to feed the otherwise wasted energy directly into the building's energy system.</i>
Maribor (SI): Upgrade of an existing cable car substation and integration of an e-bus fast charger	<i>The Municipality of Maribor plans to invest into the upgrade of an existing cable car substation and integrate a fast-charger for e-buses at the at Maribor Vzpenjača station (end of route 6). This will enable a multipurpose use of an existing PT infrastructure using the power of the cable car substation to supply energy to both the cable car operation and charging of an e-bus. Therefore, the cable car substation needs to be upgraded from a capacity of 630 kVA to 1.250 kVA of power in order to provide sufficient energy to an e-bus fast charger with 450 kVA (and potentially additional 2 fast and 2 normal e-car charging points in the long-term).</i>
Pilsen (CZ): Integrating a buffer storage into the trolleybus network	<i>For the realisation of the pilot action, PMDP will install a buffer storage station that will enhance the current trolleybus power network by providing an extra on-demand capacity for the catenary network. The system consists of a battery pack that feeds energy into the grid when needed and stores energy in times of low pressure on the grid. In addition, the batteries can also be charged through the public electricity grid as well as through energy coming from solar panels or wind, if connected.</i>

User Forum participants are committing to the listed activities and outputs in section 3.

### 3. Expected Activities and Outputs

The applicants are requested to actively engage in the thematic EfficienCE activities of their choice (see list above), and agree to participate in the following activities and deliver the respective outputs:

Quantity	Activity	Output	Language
1	Commitment regarding support for energy efficient mobility solutions in CE by signing the <a href="#">EfficienCE Declaration</a> (attached as part of the application package)	Signed EfficienCE Declaration	English
1-2	Participation in face-to-face workshops	Short written report on lessons learned	English



1	Attendance at Site Visit at the local pilots (e.g. for local pilot launch event)	Short written report on lessons learned and replication potential	English
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#### 4. Eligibility criteria

An application for the EfficienCE User Forum must satisfy all the following eligibility criteria to be retained for evaluation:

- Applicants should represent public transport authorities and companies within the INTERREG Central Europe Programme Area (Austria, Croatia, Czech Republic, Hungary, Poland, Slovakia, Slovenia, parts of Germany, parts of Italy - see map at <https://www.interreg-central.eu/Content.Node/discover/programme.html>).
- Applicants must be committed and already planning an energy efficient pilot activity or managerial approach.
- The application form must be fully completed.
- The application form must be submitted in English (official language of the EfficienCE project).
- The application should reach the minimum scoring threshold.
- The application form should be submitted before the deadline: 16 March 2020

Only proposals that satisfy the above eligibility criteria are acceptable and will be evaluated by the EfficienCE Management Group.

#### 5. Selection criteria

The evaluators - a designated team from the EfficienCE Management Group - give marks from 0-20 (evaluation criteria 1 and 2) for each proposal.

- **Evaluation Criterion 1** (max. 20 points): Motivation and commitment for the participation in the EfficienCE knowledge exchange programme. The signing of the EfficienCE Declaration is a condition for applicants to show their commitment to participating in the EfficienCE knowledge exchange programme and to meet the eligibility criteria. In addition, this should be described with a potential pilot activity or by adopting a managerial approach in energy efficient public transport infrastructure.
- **Evaluation Criterion 2:** (max. 20 points): Degree of conformity to one (or more) EfficienCE activities (see list of pilot activities above) and the potential for replication, i.e. the anticipated impact of the proposed measure take-up/replication.

Only applications that reach the following scoring threshold will be considered eligible:



- > At least 50% of the point score per evaluation criterion
- > At least 70% of the maximum point score (40)

## 6. Budget

The EfficienCE budget allows for activities with a maximum of 1.200€ per public transport authority/company for the reimbursement of travel and subsistence cost to participate at site visits and workshops.

The travel and subsistence cost will be reimbursed on actual cost basis based on the submission of supporting documents and countersigned copies of original receipts, which are due not later than 28 February 2022.

## 7. Submission and deadline

The Call for Applications will open in January 2020 and close on 16 March 2020. Proposals must utilize the application form and follow the procedures detailed in the application form. Applications submitted past the deadline or incomplete applications will not be retained for evaluation. Applicants will receive a confirmation e-mail.

Applications meeting all formal requirements are forwarded to the evaluation committee: a designated team from the EfficienCE Management Group.

The evaluation of proposals will be completed within three weeks (15 working days) after the closing date of the Call for Applications.

All applicants for the User Forum will be contacted afterwards. First activities can start from May 2020.

More information about the EfficienCE project can be obtained from the [project website](#).

To keep up to date with news, case studies and results, [subscribe to the newsletter](#) or the project's channels on [LinkedIn](#), [Facebook](#) or [twitter](#)!

For further information or enquiries please do not hesitate to contact us:

- Marlene Damerau, Rupprecht Consult GmbH; [m.damerau@rupprecht-consult.eu](mailto:m.damerau@rupprecht-consult.eu); +49 221 6060 5516 or
- Margrit Beier, Leipzig Transport Company (LVB); [margrit.beier@leipzig.de](mailto:margrit.beier@leipzig.de); +49 341 123 5992.