



## SmartEnCity Network Bulletin

April 2019

### Dear Readers,

Learn about solutions from our Lighthouse Cities – Vitoria-Gasteiz’s Urban Management System and how Tartu is reusing old EV batteries to store energy.

Read solutions from some of our Follower Cities – learn how Vratsa, Bulgaria is transforming its residential buildings into energy effective living environments, Lviv, Ukraine is teaching its residents through its “*Smart people program*” and learn about the CO<sub>2</sub> impact that Voru, Estonia had when they switched to smart street lighting.

The SmartEnCity Network is organizing a **SmartEnCity Network Workshop Day** this June in Cagliari, Italy. Main topics will be focused on Integrated Energy Planning, City Information Open Platforms and how your city can become a **Smart Zero Carbon City**. See more details about the event and how to register below.

Enjoy reading!

Kristina Bozhkova  
SmartEnCity Network Coordinator  
ProjectZero



## Vitoria-Gasteiz Urban Management System



Urban management systems, most commonly known as city platforms, are complex ICT tools designed to help develop and implement smart strategies for cities. The platform provides a place where all the information

generated in the city can be stored, processed and retrieved for further purposes. This holistic approach should allow integration with other existing ICT systems and the development of new ones. An open data strategy for the city will provide the means to generate additional added value services for the citizens through this platform.

For Vitoria-Gasteiz, the platform aims to supply the city with a solution where all existing ICT systems will be integrated and provide a solution for the systematic migration of sectorial legacy systems into the new city platform. During the project, the core of the system will be developed and deployed in addition to a number of specific software modules and applications, which will provide management solutions for activities in the areas of energy efficiency for buildings, urban mobility and citizen engagement. [Read full article.](#)

## Reusing old EV batteries in Tartu

One of the smart city ideas of Tartu is to reuse electric vehicle (EV) batteries for storing energy. As EVs are gaining popularity virtually everywhere, solutions for repurposing their rather quickly deteriorating, but still valuable batteries (delivering 70-80% of their original output at end of life) have significant market potential and could yield many environmental benefits. Tartu – having built up a considerable EV taxi fleet (ca. 60 vehicles in the taxi park of OU Takso) – is a suitable test site for piloting these solutions.



The objective of this activity is to use EV batteries in a sustainable way by giving them a second life. Reusing old batteries will considerably benefit the environment as less resources will be used to produce new batteries and energy storages and at the same time, renewable solar energy will be used to charge the EVs. As such, the EV taxis of the private company OU Takso will be partially recharged based on renewable energy that is produced on-site with

PV panels and stored in used EV batteries. [Read full article.](#)

## The SmartEnCity Network

We are happy to invite city representatives, energy planners, researchers and other interested parties across Europe to a **SmartEnCity Network Workshop Day**.

**When:** 5 June 2019

**Where:** Cagliari, Italy

Join the Network Workshop Day and learn about the experiences our Lighthouse Cities have gained, working with **Integrated Energy Planning** – a SmartEnCity based concept. You will be able to assess where your city is in this process which will enable you to start or boost your **Smart Zero Carbon Transition!**

Along with that, a knowledge transfer session presenting the **City Information Open Platform** – an innovative online platform, ready to be applied in order to manage the big data of a smart city will be introduced.

[Register now](#) and become the next **Smart Zero Carbon City!** See the program [here](#).

The workshop is associated with the [Sustainable Places Conference](#) which will start right after the **SmartEnCity Network Workshop Day**.

[More information.](#)

### Energy efficiency program for multifamily residential buildings in Vratsa



The municipality of Vratsa, Bulgaria participates in the National Program for Energy Efficiency of Multifamily Residential Buildings. As a result, 14 buildings in Vratsa were fully insulated. The programme covered all costs - old

window frames, front doors and roofs were replaced together with the replacement of the old electric systems along the stairwells of the buildings. All these efficiency measures were free for the citizens. [Read more.](#)

### Smart people program in Lviv



As a part of the smart city concept, Lviv, Ukraine is also working on the creation of the Smart People community. Lviv conducts e-education conferences that bring together representatives of educational institutions, public organizations and the IT industry in order to introduce technological solutions into the educational process.

[Read more.](#)

### Smart street lighting in Voru



Voru, Estonia is using LED street lighting and smart lighting control systems. A total of 1,472 next generation LED street lights have been installed in the city. 80 street lights have been installed at the pedestrian crossing sections. These actions have increased energy efficiency and road safety. Lately, additional LED street lights have been installed in the industrial and residential zones. These initiatives have contributed to 589 tonnes less CO<sub>2</sub> emissions. [Read more.](#)

### The EU corner – EU sustainable energy week – EUSEW 2019

Join the EWSEW 2019 and be a part of the biggest European Policy conference dedicated to renewables and efficient energy use in Europe.

Sessions organised by the European Commission and energy stakeholders focus on sustainable energy issues, debate new policy developments, best practices and sustainable energy ideas. Next to the conference, the Networking Village brings the EUSEW Community together to forge alliances whilst the EUSEW Awards celebrate outstanding projects and ideas.

Public authorities, energy agencies, industry associations, businesses, civil society organisations and the media are all invited to take part in the conference.



**When:** 17-21 June 2019  
**Where:** Brussels, Belgium

For more information, click [here](#).

Source: [www.eusew.eu](http://www.eusew.eu)

## [Join](#) the SmartEnCity Network and start your learning experiences now!

#### Stay in touch:

- Use the SmartEnCity Network platform to learn more about our network members, events and news [here](#).
- Learn more about the SmartEnCity project on our [website](#).
- Use **Twitter** to stay informed about project news

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