SmartEnCity Network Bulletin
NOVEMBER 2018

Information and communication technologies

Dear Readers,

This month, the main focus of the Bulletin is on different ICT solutions that cities use in their smart energy transitions.

Find out about Dubrovnik Eye application which enables the fast communication between citizens and municipal administration in regards to different issues the city may have. The Danish company KMD's solution – Energy Key, helps municipalities monitor their energy production, consumption, etc. effectively allowing the cross communication with other ICT solutions the municipalities may have.

In addition, learn more about the 5G cross-country corridors which allow for testing of autonomous vehicles in 29 European countries and much more.

Enjoy reading!

Kristina Bozhkova
SmartEnCity Network Coordinator
ProjectZero

Dubrovnik Eye – ICT solution that speeds up communication between citizens and the municipality
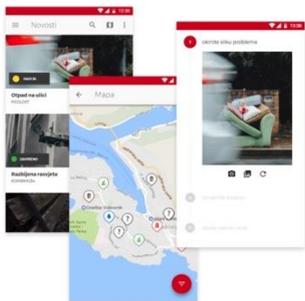
Dubrovnik Eye is a web and mobile based application that enables citizens to report communal issues that they spot in the city. All reports with descriptions, location and photos are forwarded to the city administrator which then approves the report and hands them over to the city department in charge of each particular issue. All phases of this process are completely public and online, so the user and other citizens are instantly informed about any changes and results.

The Dubrovnik Eye system is available to all users since July 2016. System users are citizens, as problem reporters, but in the background, notifications are received by the city departments and companies that are secondary users of the system. The system currently counts more than 1,000 users with dozens of entries per day. The public has positively accepted the entire project and actively uses it, which is why the City decided to go to upgrade which was released during 2017. **Read full article.**

The SmartEnCity Network

A warm welcome to the newest SmartEnCity Network members which are from Bulgaria!

Bulgaria is growing its SmartEnCity Network members and reached a total of 7 cities.

Our follower city **Asenovgrad (63,000 inhabitants)** got some new fellow Bulgarian city network members. Find out more about them on the Network platform:

- **Vratsa (65,905 inhabitants)**
- **Parvomay (28,000 inhabitants)**
- **Laki (2,615 inhabitants)**

And the city members already on board:

- **Smolyan (37,607 inhabitants)**
- **Burgas (277,922 inhabitants)**
- **Sofia (1.23 million inhabitants)**
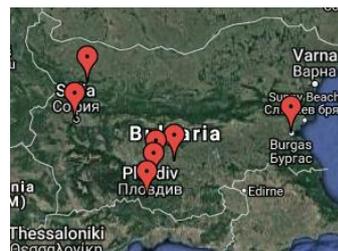
Learn more about all city members on our SmartEnCity Network Platform.

The Energy Key – ICT solution helping municipalities in Denmark

The Energy Key tool, developed by KMD, Denmark, is an energy management tool which aims at increasing energy efficiency in cities by providing an overview of the consumption behaviour, thus, being able to monitor, analyse and adjust it where needed. The tool collects consumption data from various sources and stores them in one place. All available meter data can be inserted either automatically or manually by the users. This could be water, electricity, gas, heating, cooling, etc. data. Once the data is in place, the Energy Key can provide an overview of the used energy on yearly, monthly, weekly, daily and hourly basis so the energy losses can be easily identified by the users. The tool can be used from the municipal administration, businesses, schools, citizens, etc. The Energy Key can communicate with other energy management tools which means that it can be synced to other existing energy management systems that a municipality has and can integrate the data in one tool from which all data can be analysed. **Read full article.**

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Air quality monitoring in Tirana

As of now there are only 2 monitoring stations in Tirana, which measure the pollution throughout the year. In a city with 1 million inhabitants it is necessary to provide more detailed data in order to improve the air quality and life quality for all citizens. Next year 70 filters will be placed after the analysis of the collected data from the sensors. **Read more.**

Smart Grid with ICT incorporation

This is a project in the start-up phase in the city of Cagliari, Italy, whose objective is the integration in the intelligent local network of three municipal office buildings and a multi-storey car park, in order to become a nearly zero energy building (nZEB). **Read more.**

## Intelligent charging infrastructure on the Danish island of Aeroe

In addition to improving the charging infrastructure on the island, the Municipality of **Aeroe** (Ærø in Danish) is investigating the possible benefits from intelligent charging management systems. The Interreg supported, Danish-German CarpeDIEM project, coordinated by Southern Danish University in Sonderborg, has developed a software that can be used in any type of charger, and intelligently coordinate the charging of a unit in accordance with other units charging, while taking a wide range of additional factors (e.g. weather forecasts, electricity prices etc.) into consideration. In 2019-2020 Ærø will act as the demonstration site for this software.

The EU corner – *5G cross-country corridors for autonomous mobility*

On the 28th September 2018 Estonia, Latvia and Lithuania signed a memorandum of understanding the "Via Baltica-North" initiative to develop and experimental 5G cross-country corridor with the possibility to test autonomous vehicles.

In total **29 European countries have already comitted to similar agreements** which creates a pan-European network of 5G corridors with hundereds of kilometres to be utilised.

Europe is currently the biggest experimental area for 5G technology, and has ambitions to lead large-scale testing and the early deployment of 5G infrastructure, enabling connected and automated mobility (CAM). In this context, a specific call for proposals within the 5G Public Private Partnership, with indicative funding of €50 million, has been announced for 5G projects. **Read full article here.**
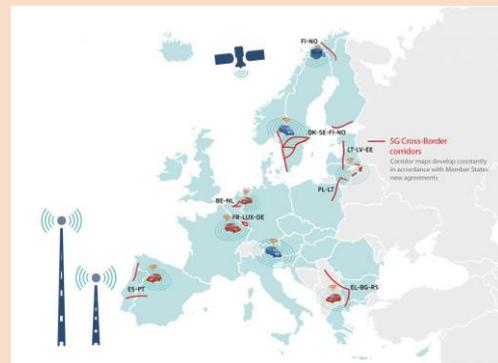
5G cross-country corridors;
Source: European Commission

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SmartEnCity Network bulletin contact:

Kristina Bozhkova
SmartEnCity Network Coordinator
MSc Sustainable Energy Planning and Management
E-mail: kb@projectzero.dk
Phone: +45 3840 5425

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