



SmartEnCity Network Bulletin №20

June 2020

Dear Readers,

In this edition of the SmartEnCity Bulletin you will find news about the development of the nationally-based SmartEnCity Network in Denmark – “Energibyerne”, from the past half year.

Learn about the smart housing association projects in the Lighthouse cities Tartu and Sonderborg.

Our Follower city Lecce is a part of the “Europe towards positive energy districts” booklet – you can find the booklet below.

Have you missed the SmartEnCity Academy webinar lesson or want a replay? – Now you have the chance to watch the recording of the webinar!

Enjoy reading!

Kristina Bozhkova
SmartEnCity Network Coordinator
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Smart Home living in Tartu

On 9 March 2020, the housing association representatives of the Tartu pilot area participated in another technical meeting with a focus on heating and ventilation systems, data collection, and the new smart home system.



Raimond Tamm, the project manager of the Tartu SmartEnCity project, welcomed the meeting with greetings and a short overview of the current

status of the project. As only a few houses are still under renovation, most of the works have been completed in the majority of the pilot area buildings. Most of the unfinished tasks have to do with the smart home system, its installation, and functionalities.

Living in a smart home is very different from what the residents were used to, so an open and direct communication is very important to mitigate all doubts. For example, it was not uncommon in the pre-renovated buildings for the radiators to be scalding hot in the winter as the heating system had to be turned up in order to heat the poorly insulated houses. Now, after the renovation, the radiators barely get warm because the home is so energy efficient and well insulated, which left many residents doubting if their heating system is working at all or if the radiators are broken. To tackle these uncertainties and to explain what changes the residents may expect in their new homes, the housing associations received many useful tips. [Read full article here.](#)

Smart battery storage solutions in Sonderborg's housing associations

The battery storage solutions in combination with solar PV plants are planned to be implemented and demonstrated in eight

The SmartEnCity Network

The Danish national SEC Network – Energibyerne keeps going strong

The [Energibyerne](#) is a very active network of 7 Danish municipalities that meets every 3-4 months in order to discuss key topics related to city energy planning activities including Integrated Energy Planning of the cities.

In the past half year, the network met record high 4 times. Here is a short summary of the outcomes of the meetings:

- Newly established joint Energibyerne website
- Joint participation in a study tour in the fall 2020
- Ambition to establish a stronger collaboration focused on three main areas: smart buildings, green electrification and charging infrastructure and replication of Skive's GreenLab concept
- Elaboration of strategic energy plans

Although some of the activities planned for 2020 have been cancelled or rescheduled due to Covid-19, the Energibyerne network of cities continues their strong collaboration and are constantly working on realising the smart city concepts in each city. [Read full article here.](#)



[Learn more about all city members by visiting the SmartEnCity Network](#)



housing departments belonging to the three housing associations in Sonderborg: SAB, SOBO, B42. The demonstration project covers 40 housing blocks with 800 apartments plus 106 townhouses. The total investment for this demonstration project is budgeted at 3.5 million Euro. The estimated electricity saved is 1.3 GWh (1,300 MWh) per year corresponding to a CO₂ reduction of 350 tons per year. The combined solar panels plus battery solutions are expected to cover approximately 50 % of the total electricity consumption in the apartments. Detailed calculations show that it is feasible to install about 50 % more solar panels if the panels are combined with batteries compared to solar panels without batteries. In this way, more electricity is covered with CO₂ neutral power. [Read full article here.](#)

The EU corner – *SmartEnCity Academy, Lesson 3 is out*

The SmartEnCity Academy for Zero Carbon Transition had its 3rd lesson on 4th June 2020.

The lesson presented the SmartEnCity Lighthouse and Follower cities baselines and diagnoses, with a special focus on Sonderborg. Follower City Asenovgrad presented how this is done by using their local approach.

The external speaker from the European Covenant of Mayors talked about the monitoring and reporting of city results within the Covent of Mayors.

[Watch Lesson 3.](#)

Follower City Lecce is a city-case in the new “Europe towards positive energy districts” publication



The Programme on Positive Energy Districts and Neighbourhoods (PED Programme) has the ambition to support the planning, deployment and replication of 100 ‘Positive Energy Districts’ across Europe by 2025 for urban transition and sustainable urbanisation. Positive Energy Districts will raise the quality of life in European cities, contribute to reaching the COP21 targets and enhancing European capacities and knowledge to become a global role model. The booklet is offering an overview of about 60 cities striving towards Positive Energy Districts and Neighbourhoods and SmartEnCity’s Follower City Lecce is one of them. Information on Lecce can be found at page 171. [Find full booklet here.](#)

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- Use the SmartEnCity Network platform to learn more about our network members, events and news [here](#).
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