



SmartEnCity Network Bulletin №28 September 2021

Dear Readers,

This edition of the Network Bulletin features the SmartEnCity Final Publication (Booklet) which showcases the smart and innovative solutions of the project's Lighthouse Cities. The included "worst practice" section focuses on challenges and mistakes that the Lighthouse Cities encountered – interesting reading, potentially avoiding other cities to repeat same mistakes in the future. The Booklet is available for download now!

The Danish SmartEnCity Network – Energibyerne's collaborative accomplishments and experiences were researched in a recent study.

Read about Lighthouse City Tartu's "Smartovkas" which are the most energy-efficiently renovated apartment buildings in Estonia! Furthermore, Tartu's SECAP is now approved by the city council.

Lighthouse City Sonderborg has halved its carbon emissions since 2007 – read more and download the Monitoring Report 2020! Sonderborg is also progressing with its digital transition and building on their Roadmap2025 to activate their Masterplan2029 process which works towards a CO2 neutral energy system by 2029.

Finally, do not forget to register to the 2-day international, online Sonderborg Climate Neutrality Conference and get insights on triple helix topics regarding climate neutrality.

Enjoy reading!

Kristina Bozhkova
SmartEnCity Network Coordinator
ProjectZero



SmartEnCity Booklet available for download now

The SmartEnCity final publication (booklet) on "The Journey towards Zero Carbon Emissions - A Travel Guide for Cities" is now available for download and will soon be at hand as a printed copy as well. Download your digital copy already now!

Learn about the various intelligent and innovative solutions that have been developed in our three Lighthouse Cities Vitoria-Gasteiz, Tartu and Sonderborg. In this booklet, we have collected their best practices: all presented solutions have been tested by the SmartEnCity partners and are suitable for replication in other cities. Plus, we are also sharing our worst practices, so that certain mistakes can be avoided in the future. [Read more and download a copy here.](#)

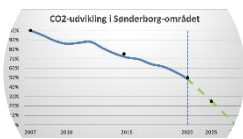
Lighthouse City Tartu: Sustainable Energy and Climate Action Plan now official



On April 1, the new sustainable climate and energy action plan of Tartu, Tartu Energy 2030, was discussed by the city municipal council and officially accepted. The plan provides an overview of energy production and consumption in Tartu city, its impact on the environment and climate, and sets the goal of making energy use more efficient and to increase the production of renewable energy. Climate adaptation and awareness raising are also important parts of the plan. [Read more.](#)

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Sonderborg's CO2-meter now shows a 51% reduction since 2007



"I am proud that the citizens and companies are in every way behind the Sønderborg municipality's green transformation - and I am pleased that we have passed the important 2020 milestone of 50% CO2 reduction. We are thus well on our

way to the next milestone in 2025 and our Roadmap2025 efforts are nationally backed up by the Climate Act and the Government's climate action plans," says Mayor Erik Lauritzen. [Read more and download the 2020 Monitoring Report here.](#)

The Energibyerne were featured in a recent study

The Danish SmartEnCity Network "Energibyerne" model and experiences were used as a center study case in the recently published study: "The Power in Working Together Exploring how Small and Medium-sized Municipalities are Collaborating for Ambitious Climate Action".

The Energibyerne's experiences, collaboration and hard work was used as the main case for the study showcasing the accomplishments of the network and how can their joint efforts in creating the network and good example working together can be replicated.

"Reaching the 1.5°C target of the Paris Agreement not only requires ambitious goals from national governments, but also the active participation of local municipalities. It is in cities where climate actions need to be implemented to reduce greenhouse gas emissions and reach the international and national climate goals. While the importance of cities and their participation in networks has been well researched, studies have systematically neglected the committed individual agents in small and medium-sized cities and overlooked the importance of national networks. To address these research gaps, this thesis firstly investigates the key factors influencing climate policy implementation in small and medium-sized Danish municipalities. Secondly, it looks at how local climate managers use their municipality's membership in national networks to increase this action implementation."

[Read full article and download full paper here.](#)

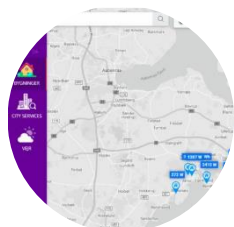
'Smartovkas' are the most energy-efficient reconstructed apartment buildings in Estonia



The old Khrushchev-era apartment buildings that were renovated in the SmartEnCity project in Tartu have become the most energy-efficient apartment buildings in Estonia – both according to thermal imaging and latest data. Initial comparison data shows that the energy consumption in these buildings has dropped by 43% on average. "The 17 downtown apartment buildings that have been reconstructed with support from the SmartEnCity project have now become the most energy-efficient reconstructed

apartment buildings in Estonia,” the Deputy Mayor and SmartEnCity project manager Mr. Raimond Tamm commented. “The apartments’ indoor climate has improved dramatically with the help of the novel CO2-based ventilation systems.” [Read more.](#)

Landing Page of Sonderborg's new City Information Open Platform now unveiled



ProjectZero launched the website ‘Become Climate Wise Sonderborg’ where everyone can explore the ProjectZero vision of a CO2-neutral Sonderborg and become informed (wiser) about how Sonderborg municipality plans to reach ZERO in 2029 through joint actions. The new website also provides access to the Sonderborg’s City Information Open Platform (CIOP) called SmartCitySonderborg.dk where interested parties can find information about how much electricity, water and heat selected buildings produce and use - in real time - about the municipality's wind turbines, charging stations for electric cars, etc. [Read more.](#)



Kick-off for Sonderborg's ProjectZero Masterplan2029 process

More than 100 local experts and stakeholders created the Roadmap2025 back in 2018 which is Sonderborg's ProjectZero roadmap towards 75% CO2 reduction by 2025. BCG Boston Consulting Group (BCG) is now supporting Sonderborg's local experts to plan all the way to zero by 2029 and ensure robust action plans action and cost-efficient reduction path towards 2029. On Tuesday 24 August 2021, almost 70 local experts and stakeholders in energy, housing, business and transport gathered at Hotel Alsik to initiate the preparation of a comprehensive ProjectZero Masterplan2029. Masterplan2029 will create a robust overall strategy for the almost 13 intervention hotspots across society sectors. [Read more.](#)

Sonderborg Climate Neutrality Conference

This 2-day international event is taking place online and will give an overview of the current state of the art measures to achieve climate neutrality, closely linked to the results of the SmartEnCity project. The 2nd day will conclude with a virtual tour of the SmartEnCity demo sites Vitoria-Gasteiz, Tartu and Sonderborg and follower cities Asenovgrad and Lecce.

The virtual format opens for new, exciting opportunities to connect worldwide. This year's climate neutrality conference in Sonderborg discusses within the Triple Helix of academia, industry and society newest developments in technological solutions for solving climate issues, giving special focus to cities as frontrunners for a more sustainable planet and future.

When: 28-29 September 2021

Where: Online

Sign up: Free of charge. [Register here.](#)

[Find more information about the conference, agenda, speakers, etc. here.](#)



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