



SmartEnCity Network Bulletin №25 *March 2021 - Energy Efficiency*

Dear Readers,

In this edition of the Network Bulletin, the main topic is energy efficiency.

Lighthouse City Tartu has implemented numerous building murals following major retrofitting of apartment buildings from the Soviet era. In addition, they released a handbook for the residents living in the newly renovated buildings to help them understand how to make the best out of their new homes.

The SAB housing association of Lighthouse City Sonderborg implements battery storage solution along with solar panels and energy renovation of their buildings. Following these measures, the residents have adopted a new “Energy and Sustainability Strategy 2020”.

Lighthouse City Vitoria-Gasteiz deploys the connection of the buildings to the District Heating Network.

The EU corners showcase the interest in the building solutions of the SmartEnCity project.

Enjoy reading!

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Lighthouse City Tartu showcasing its building murals, following retrofitting of buildings



An article from the EU platform CORDIS reports on the first ever mural art exhibition of Lighthouse City Tartu. Each wall painting is the crowning glory of the SmartEnCity renovation activities. The colourful murals are attracting citizens and visitors equally and making Tartu famous far beyond its borders. [Read full article.](#)



The 14th mural of the SmartEnCity project was completed in Tartu. The artist of the mural is Mall Nukke, a highly acclaimed local modern artist, whose numerous works can be found in art museums and galleries in Estonia and abroad. The newly finished painting, titled "The Faun", is inspired by her own 1992 drawing "The Broodings of Faun", which has been reinterpreted and recolored. [Read full article.](#)



Tartu unveiled the first sculpture in the framework of SmartEnCity project in front of Tiigi 19 apartment building. The sculpture is called "Polished diamond" and the author is the Estonian sculptor and installation artist Art Allmägi. According to the artist, the sculpture created for SmartEnCity is inspired by the project's goal of turning the former Khrushchev era buildings hrustovkas into smartovkas. [Read full article.](#)



15th SmartEnCity artwork in Tartu was created on the end wall of Kalevi 8 apartment building. The author of the artwork "Time I" is Vello Vinn, one of the most renowned and legendary printmakers and artists in Estonia.

[Read full article.](#)

Lighthouse City Tartu: Residents of "Smartovkas" received smart house handbooks



In January 2021, all residents of the renovated apartment buildings in the Tartu SmartEnCity pilot area received the "Smart house resident's handbook" offering instructions on how to use and maintain the new technologies and how to make the most out of their smart homes. The handbooks were sent directly into the mailboxes of every apartment of each apartment building to ensure that every resident, tenant and apartment owner received one. [Read full article.](#)

The EU corner

Spanish Architecture Magazine is interested in SmartEnCity project

DPArquitectura magazine is a professional publication designed by and for architects as a service to professionals in the building sector in Spain and has shown interest in SmartEnCity project, in particular to the measures in Lighthouse City Vitoria-Gasteiz. The magazine covers all aspects of architecture, with special emphasis on the construction details and the exhibition of materials, products and services that are directly applicable to real projects. [Read full article.](#)

SmartEnCity in Spanish nZEB Congress Book of Abstracts

The SmartEnCity Project was present in the "7th Spanish nZEB Congress". The Congress' book of abstracts is now published containing two papers related to SmartEnCity and Lighthouse City Vitoria-Gasteiz. The SmartEnCity Project was present in the "7th Spanish nZEB Congress" with two papers that were included in the Congress' book of abstracts (available here in Spanish). This book gathers all the communications from the Congress and there can be found papers related with energy efficiency actuations at building level as well as district level. [Read full article.](#)



Lighthouse City Sonderborg: Green electricity for residents



Housing association SAB focuses on solar energy and is renovating seven departments with rooftop solar cells with battery solutions. The residents thus get green electricity. These measures are part of the association's new "energy and sustainability strategy", which the main board has adopted. It also includes the establishment of a green ambassador initiative. Residents are invited to help promoting the green transition. [Read full article.](#)

Lighthouse City Vitoria-Gasteiz: New façades in Aldabe Street



SmartEnCity deployment in Vitoria-Gasteiz continues with some new façades to Aldabe Street, more precisely to the area known as Aldabe's alley. This alley gathers three buildings in a narrow space and new façades undeniably add some light to this former dark corner of Aldabe Street. [Read full article.](#)

Lighthouse City Vitoria Gasteiz awarded tender on District heating indoor works



The indoor works of the new District Heating have been publicly tendered and awarded. Those Indoor works include the connection of the buildings to the District Heating Network that is currently being deployed through the streets, the adaptation of indoor piping networks and the installation of heat exchangers in substitution of individual or centralized gas and diesel boilers in buildings and dwellings. [Read full article.](#)

The EU corner

SmartEnCity presenting at ECTP's Energy Efficient Buildings (E2B) Committee Assembly

SmartEnCity Project Coordinator Francisco Rodríguez (TECNALIA) took part in the Plenary Assembly of the ECTP's Energy Efficient Buildings (E2B) Committee.

The European Construction built environment and energy efficient building Technology Platform (ECTP) gathers around 150 member organisations from across the construction sector and other sectors from the whole supply chain of the Built Environment in Europe.

Within that framework, Francisco presented the main lines of SmartEnCity and shared the progress and learned lessons from the demo cases of SmartEnCity's Lighthouse Cities Vitoria-Gasteiz, Tartu and Sonderborg with his keynote speech "From energy efficient buildings to a sustainable built environment – a best case example: Lighthouse Smart City projects in Vitoria, Tartu & Sonderborg." [Read full article.](#)



ENERGY EFFICIENT BUILDINGS
AN ECTP COMMITTEE FOR INNOVATIVE BUILT ENVIRONMENT

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