

Editorial

Dear SmartEnCity Enthusiast,

We just can't believe how time flies: We have already reached our 4th project year! Our Lighthouse Cities are still working hard on putting their vision of a smart city into reality. Some are almost finished, some have to cope with slight delays but they are all successfully striving towards one common goal. Last year in September, we all met for a productive project meeting in Vitoria-Gasteiz in order to exchange achievements and latest developments. You can find an update below on how we are proceeding in our demo districts! You can also read about the activities of our SmartEnCity Network, which has successfully established local networks in Estonia and Denmark, now directly addressing the specific needs of their members.

And last but not least, find some pieces of news on what is happening in our sister projects...the H2020 Smart City family is growing, having now 14 family members!

And now enjoy reading!

Sincerely yours,

Francisco Rodríguez Pérez-Curiel and Silvia Urra Uriarte

Project Coordinators of SmartEnCity, TECNALIA Research & Innovation

Progress in the SmartEnCity Lighthouse Cities

Sonderborg:



Lighthouse City Sonderborg has documented its zero carbon transition in a 64 pages colourful -report, the [Roadmap 2025](#), which describes Sonderborg's approach to the challenging city-journey in all detail comprising the following topics: Owner-occupied housing, housing associations, private rental, passenger transport, businesses, heavy duty transport, farming and energy. Starting with the energy system of the future, which is based on 100% renewable energy, the reader is being taken by the hand to explore Sonderborg's vision of a better place to live and work.

What else has happened in the meantime? B42 has completed the energy retrofitting of 24 buildings and now the houses are gleaming in new shine with new façades, windows and solar panels. Now the data loggers have to be installed in the dwellings in order to measure individual data like energy consumption, which will then be fed into the new smart city open data platform, which is expected to be launched in early summer 2019. But it is important to already start collecting data, so that it will allow reports and data comparison across housing associations, weather, annual changes etc., and most importantly for the tenants to see how the retrofitting work has impacted their consumption patterns.

Also, Sonderborg has analysed and fixed the locations for 24 new chargers for electric vehicles which should be installed during this summer as well. In addition, the [Midway workshop](#) has taken place in October 2018 following the Integrated Energy Planning (IEP) process of Roadmap2025.

Finally, Sonderborg municipality has recently won the EU's prestigious award "[Covenant Cities in the Spotlight](#)" for its results with regard to the city's ProjectZero vision focused on becoming CO2-neutral by 2029. Congratulations!

Are you interested in more details? Then have a look and watch the SCIS "Travel, Share & Learn" [video](#) featuring Sonderborg, explaining the city's efforts and including an interview with Peter Rathje, Director of ProjectZero.

Tartu:



Tartu is following its steadfast course towards becoming smarter and greener. After the renovation works of the first building in Pepleri Street 10 has finished, the artwork by the Estonian artist Andrus Peegel has already proven to be the best promotion of the SmartEnCity project and its efforts. Now, the 2nd façade in Kalevi 10 is attracting the attention of the passengers: "[Gateway to Karlova](#)" is the

name of the large-scale mural by artist Katrin Piile, eyecatcher and ambassador for a new and smart Tartu.

Also, Tartu is putting its vision of a [smart public transport](#) into reality. With 64 new methane gas buses, the diesel era is definitely coming to an end in the Lighthouse City. A ten year's contract worth EUR 66 million was signed with AS GoBus, which will start its services at the beginning of July 2019. From this point on, a new bus route network will be launched with new lines and time schedules and residents will be invited to give their feedback on these changes via a map application at the city's homepage. In addition, a new electric bus has started operating free of charge between the station and the city center for a test period ending in April 2019.

Also in terms of mobility, Tartu can claim the title of having [Estonian's fastest EV chargers](#)! The five new chargers are not only fast but also the first ones following the SSC (Combined Charging System), allowing all types of electric cars.

Tartu is acting now and planning the future: a series of [planning workshops](#) has taken place during the past month. Tartu Energy 2030+ is the title of the new Sustainable Energy and Climate Actions Plan (SCAP) of Tartu, which comprises trends and future scenarios developed by the SmartEnCity project partners IBS, TREA and Tartu City. This year, the work will be continued in six thematic groups, which will lead into public discussions in June and September.

Vitoria-Gasteiz:



The [first round of retrofitting works](#) has been completed in demo district Coronación. For the first time, residents can admire visible outcomes of SmartEnCity project. The new façade of the early adopter's building in Eulogio Serdán Street is not only pretty but also has a positive impact on people's monthly energy expenses. Now, Vitoria-Gasteiz is moving on: the next nine buildings (98 dwellings) are waiting and project partner VISESA has launched a public tender for this second retrofitting phase. 31. December 2018 was the last chance for Coronación neighbours to [sign up for the SmartEnCity](#) retrofitting works and to receive financial support from a European grant and other specific institutional grants linked to this project. By now, 32 buildings and 386 dwellings are joining the project.

An advanced citizen engagement strategy has made this possible! The citizen information office in demo district Coronación will remain open until summer this year in order to inform about ongoing project activities. If you are interested in Vitoria-Gasteiz' citizen engagement strategy, read the interview with [Eukene Barrenetxea](#).

News from the Follower Cities

Lecce

- ❖ Lecce joined a project which promotes the increase of low-carbon services and safer infrastructures for its citizens. The city is also involved in an educational course for kids from primary and secondary school, promoting biking and green transportation. [Read more](#)

Asenovgrad

- ❖ Asenovgrad's "Private multifamily buildings refurbishment" programme managed to refurbish 28 residential buildings which house more than 4,700 citizens. This initiative has increased the energy savings and the comfort in the buildings. As a result, this brought more awareness to the citizens by engaging and educating them about the initiative. [Read more](#)

News from the SmartEnCity Network:



The SmartEnCity Network was starting the New Year with a total of 43 member cities! There are two national based networks in Denmark and Estonia which have proven to be very beneficial as they are offering replication methods, approaches and solutions which correspond to national settings and local events. For instance, recently, there was the 2nd national network meeting in Estonia (read [more](#)) and the 5th national based meeting in Denmark ([read more](#)). During the course of SmartEnCity project, there will be more national based networks established in Spain, Bulgaria and Italy.

Focusing on small and medium sized cities, network members benefit from a direct knowledge-transfer, providing real life cases, inspirations and tools and tailor-made events and information like the Network section of the SmartEnCity webpage and the monthly Network Bulletin. [The December edition](#) of the Bulletin for instance is highlighting success stories of SmartEnCity Lighthouse and Follower Cities whereas the [latest one January 2019](#) is focusing on Tartu's energy planning process, a new smart city good practice label of one of the Follower Cities – Rome and Sonderborg's SCIS video.

Don't miss any edition of the Network Bulletin anymore and [register](#) for free!

Past Events (SEZ)

- ❖ [By&For Citizen](#), 20.-21.09.2018
- ❖ [Nordic Edge Expo](#), 25.-27.09.2018
- ❖ [Smart City Expo](#) , 13.-15.11.2018

Upcoming Events (SEZ)

- ❖ [EU Sustainable Energy Week](#) - EUSEW 2019, 17 - 21 June 2019 in Brussels European's biggest Policy Conference dedicated to renewables and efficient energy use in Europe.
- ❖ [Triangulum: Impact Monitoring and Assessment Exchange \(SCC Workshop\)](#) – 7 March 2019 in Manchester
This workshop provides an opportunity to exchange approaches to monitoring and assessing impacts, and discuss challenges and opportunities. Open to all Horizon 2020 SCC projects.

News from our Sister Projects

SCIS: “Travel, Share & Learn” - that was the goal of [SCIS](#) and their storyteller [Arthur Lankester](#) who travelled across Europe to visit different types of Smart Cities, from our Danish Sonderborg (SmartEnCity) to Greek Trikala (InSMART). Every month, SCIS is now releasing videos from this “Travel, Share & Learn” collection. The latest two additions featured [EU-GUGLE](#) project and its demo site Bratislava in Slovakia as well as [DESENT](#) project and its demo site Weiz in Austria. Check out their [video section](#) for more videos.

STARDUST: www.stardustproject.eu – the official online platform of the STARDUST project won the 2018 EU Web Award for the Better World category, which acknowledges STARDUST's commitment towards smart and sustainable solutions across cities in Europe. [Read more](#)

REPLICATE: The 38 partners of REPLICATE met in October 2018 in Bristol, presented the annual results to the European Commission and celebrated the General Assembly. Moreover, San Sebastian Lighthouse City has recently launched a video about the project and its implementations. [Read more](#)

About SmartEnCity / Project ID / Contact

SmartEnCity, a project funded under the European Union's Horizon 2020 research and innovation programme, aims to develop a systemic approach for transforming European cities into sustainable, smart and resource-efficient urban environments. We aim to develop strategies that can be replicated throughout Europe in order to reduce energy demand and maximise renewable energy supply in urban environments. Activities include retrofitting in buildings, integration of infrastructures, developing sustainable mobility options, as well as the intelligent deployment and use of Information and Communication Technologies.

The SmartEnCity concept will be defined, planned and implemented in three Lighthouse demonstrators Vitoria-Gasteiz (Spain), Tartu (Estonia) and Sønderborg (Denmark). The process will be replicated in the two Follower cities of Lecce (Italy), and Asenovgrad (Bulgaria). We will encourage a SmartEnCity Network of further cities interested in replicating the approach elsewhere in Europe.

Under the coordination of Fundación TECNALIA Research & Innovation, 35 partners from 6 countries work together to make Smart Zero Carbon Cities a reality in Europe.

PROJECT ID

Duration: 66 months (February 2016 – July 2021)

Partners: 35 partners from 6 countries (Bulgaria, Denmark, Estonia, Germany, Italy, Spain), coordinated by Fundación TECNALIA Research & Innovation

Call identifier: H2020-SCC-2015

Topic: SCC-01-2015 Smart Cities and Communities solutions integrating energy, transport, ICT sectors through lighthouse (large scale demonstration – first of the kind) projects

Contact

SmartEnCity Project Coordinator:

Fundación TECNALIA Research & Innovation

Francisco Rodríguez Pérez-Curiel / Silvia Urra Uriarte (Project Coordinators)

E-mail: francisco.rodriguez@tecnalia.com / silvia.urra@tecnalia.com

Phone: +34 946 430 850

www.smartencity.eu

Press Contact:

Steinbeis-Europa-Zentrum

Bettina Remmele

E-Mail: remmele@steinbeis-europa.de

Phone: +49 711 123 4048

Editorial Contact:

Steinbeis-Europa-Zentrum

Heike Iffland

E-Mail: iffland@steinbeis-europa.de

Phone: +49 711 123 4028

Picture sources:

- Sønderborg: SONDERBORG FORSYNINGSSERVICE AS (SONF)
- Tartu: City of Tartu
- Vitoria-Gasteiz: VISESA.



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 691883.

If you don't want to receive any more newsletters from us, you can unsubscribe [here](#)

Steinbeis-Europa-Zentrum der Steinbeis Innovation gGmbH

Bettina Remmele
Willi-Bleicher-Str. 19
70174 Stuttgart
Deutschland

+49 711 123 4048

remmele@steinbeis-europa.de