



## Editorial

**Dear SmartEnCity Follower & Supporter,**

Can you believe it? The first half of the year is already over and it's time for another SmartEnCity Newsletter. So many things have happened in the meantime but we'll try to point out the main activities for you. In March, the entire consortium met in [Asenovgrad](#) to exchange ideas and share progress updates from the different work packages, followed by a Network Meeting with Bulgarian cities. Thank you Asenovgrad, also for giving us a glimpse of typical Bulgarian culture and traditions, you have been a great host!

Now that we are in year three of the project, the implementation phase is reaching its peak: read about retrofitting works in Sonderborg, smart transport in Tartu or district heating in Vitoria-Gasteiz and find out how our Lighthouse Cities are putting their ambitious plans into practice.

As a special service to you, we have bundled our first project results on our SmartEnCity website: clicking on "[Outcomes](#)" now directly takes you to city solutions or public papers. And if you are especially interested in activities of our network, the new monthly [Bulletin](#) provides you with the latest information on replication related topics.

One last thing on our own behalf: you all know about the new data protection regulation. In case you haven't done it yet, please [sign up](#) again to receive our SmartEnCity Newsletter and/or the Network Bulletin on a regular basis. Also, spread the news amongst your family, friends & business partners.

And now, enjoy reading!

**Francisco Rodríguez Pérez-Curiel and Silvia Urra Uriarte**  
Project Coordinators of SmartEnCity, TECNALIA Research & Innovation

## Progress in the SmartEnCity Lighthouse Cities

### Sonderborg

In April, the Sonderborg City Council started the work on ProjectZero's "[Roadmap2015](#)", a process that ensures the reduction of CO<sub>2</sub> by 75% until 2025 through an Integrated Energy Planning approach including smart solutions in the fields of energy efficiency, renewable energy, green transportation and societal engagement. The roadmap 2025 is expected to be finalised by February 2019 with the city council's approval.

For sure, Sonderborg can be regarded as a role model and a good example for potential followers! Read more about the [zero carbon transition of Sonderborg](#).

The retrofitting works (including solar panels) are almost completed in the Sonderborg demo district. The last housing association B42 has completed all tender activities and has commenced with preparatory works. Prior to the façade renovation, the drainage had to be moved to allow room for the increased surface of the façade.



The drainage had to be moved to allow the new (thicker) façade to be added.

Moreover, the Sonderborg Lighthouse videos are now available with English subtitles. Have a look at <https://smartencity.eu/outcomes/videos/> and watch all SmartEnCity videos there.

And last but not least, we are happy to announce that Sonderborg's efforts are internationally recognised and awarded. As part of the SCIS tender (Smart Cities Information System), Sonderborg won the production of a free video with story teller and film maker [Arthur Lancaster](#). But that's not all of it yet! Sonderborg, as part of SmartEnCity, has been selected for the Euro-China Green & Smart City Award, for reasons of the dynamics and the quality of the project's initiatives. The award ceremony has taken place in September in Ningbo, China.

## Tartu

Tartu is speeding up with the SmartEnCity activities, bursting with fresh ideas regarding smart transportation: After signing the contract about a new environmentally friendly public bus service (see Newsletter no 4), an additional [electric car rental point](#) was installed next to the bus station. Together with the two existing ones, they add up to three, but two more are planned in order to cover the entire area of the city centre and to offer a convenient transport alternative to Tartu's citizens and visitors.

Also, their new e-bike sharing system is taking shape: after citizen consultation and a survey on people's needs and demands, Tartu has published a tender in order to find the most suitable provider for the 600 to 800 new e-bikes along with 60 to 80 docks and charging stations. After public bike demos, the bicycles of the Canadian company Bewegen Technologies Inc. were regarded as the most convincing. In addition, Terasteenus OÜ was selected for the design and construction of the bicycle's parking areas. In total, the Tartu City Government provided almost 3 million € for the realisation of this project.



Bicycles for Tartu's new e-bike sharing system.

**Read more:**

- [Who is winning the bike sharing tender? Tartu organises bike demos for the competitors](#)
- [Canadian Company is winning Tartu's bicycle tender](#)

Furthermore, Tartu has started with the renovation of its Khrushchev-era buildings in the historic centre of Tartu. Starting in May with Kalevi 10 Apartment Association, Tartu City Government has now fixed the financing plan for 12 more buildings. Within SmartEnCity project, a total of almost four million € has been reserved for the reconstruction of the Khrushchev-era apartment buildings in Tartu. Deadline for the completion of the renovations is 30<sup>th</sup> June 2019.

During the retrofitting, all buildings will receive an original piece of art either on the façade or in case of sculptures, next to the building. The first building is decorated in Pepleri Street 10 in the Tartu pilot area, renovation works will be completed by the end of this autumn, but the artwork by the Estonian artist Andrus Peegel has already begun to attract the attention of passengers.

The city organised an international art competition, which resulted in the involvement of 54 artists from Estonia and foreign countries. The unique art gallery that will be created during the project will transform the pilot area city space and increase the visibility of the project.



Artworks at building at Pepleri 10, picture by S. Siilak

**Read more:**

- [First renovation works starting in Tartu's smart city demo district](#)
- [Financing in place for renovation of the next Khrushchev-era building in Tartu](#)

A [video](#) about Tartu's project activities is explaining its innovative solutions in the fields of district heating and cooling, city transport, street lighting and the use of renewable energy use.

## Vitoria-Gasteiz



Retrofitting works starting in Vitoria-Gasteiz

Big success for SmartEnCity: It was a long way and took a lot of efforts but finally more than 750 homeowners committed themselves to the project and agreed on energy retrofitting of their buildings and the deployment of a district heating network based on biomass. Through this, the Lighthouse City proves being a pioneer because district heating is not very common in the south of Europe. This clear vote is the result of an intensive communication campaign, including informative events, promotion tours and the information office dealing with more than 1000 enquiries, plus it is owed to the adhesion period and forms a clear commitment of the citizens to the SmartEnCity project.

### Read more:

- [Vitoria-Gasteiz: SmartEnCity continues in Coronación Demo District!](#)
- [Coronación District information office: a popular choice!](#)
- ["Promo-Tour" for district heating and retrofitting in Vitoria-Gasteiz](#)
- [District heating information event for Coronación District neighbours](#)

In the meantime, smart plans are becoming reality in Eulogio Serdan Street. The [retrofitting works have started](#) and the neighbourhood is looking forward to new energy-efficient facades. The thermal retrofitting is aiming at reduced consumption and costs but comes along with [energy usage and comfort monitoring](#) which have to be explained to the citizens because sensitive topics like privacy and data protection are tackled.

At the same time, the smart transport plans are speeding up; a [public tender on smart electric buses for Vitoria-Gasteiz](#) worth more than 44 million € was published in June.

It is no wonder that so many smart activities are causing high interest even outside of Europe. Therefore, two delegations from Cuba and Canada were visiting Coronación District and took their chance to exchange knowledge and experience on innovative solutions.

### Read more:

- [Cuban delegation visit to SmartEnCity project in Vitoria Gasteiz](#)
- [Canadian delegation meets SmartEnCity project in Vitoria Gasteiz.](#)

Moreover, learn more about Vitoria-Gasteiz' SmartEnCity efforts by watching these two new videos:

- [SmartEnCity – Vitoria-Gasteiz – Coronación District project details](#)
- [Giving a voice to the neighbourhood of Coronación District](#)

## Progress in Follower City Asenovgrad

Within the cooperation among Lighthouse Cities across H2020 SCC1 projects, Asenovgrad joined the International EUROCITIES mobility forum – Smart Mobility, in Bourgas, Bulgaria, 10-12 September 2018. It was a good opportunity to promote the SEC Network and to enhance the exchange of methods and solutions for sustainable and smart urban development

Asenovgrad will participate in the CROSS-SCC Replication Workshop on 28 September 2018 in Stavanger, Norway right after the Nordic Edge.

## News from the SmartEnCity Network



The interest in the SmartEnCity Network is growing and growing. As of today, 35 small and medium-sized cities across Europa have signed up and many more have already expressed their interest. Cities are now realizing that there are a lot of benefits to being part of a strong community following the same target to become a smart-zero-carbon-city.

The new [Network section](#) of SmartEnCity's website is the central meeting place to gain tailor made information on innovative solutions and replication tools. Complemented by the [new Network Bulletin](#), the interested audience is provided with relevant details and latest news every month.

In addition, country based network meetings are addressing specific needs. This year in March, the [SmartEnCity Network met](#) with Bulgarian Cities in Asenovgrad to exchange experiences and to discuss different strategies. The host, the municipality of Asenovgrad, discussed with Sofia, Bourgas, Smolyan and the representative from the Association of Rhodope municipalities their current challenges and barriers and how to overcome them by using the SmartEnCity tools. At the end, all involved cities joined the SmartEnCity network.

In May, the 3<sup>rd</sup> [Danish based SmartEnCity Network \(Energibyerne.dk\) meeting](#) took place next to the largest land based wind turbine park in Denmark in Ringkøbing. Following the previous meetings tackling climate issues, this network meeting focused on integrated planning strategies.

Seeking more information? Get in [contact](#)!

Join the SmartEnCity network of ambitious small and medium sized cities across Europe now and start your Smart Zero Carbon journey!

## Past Events

- [13. - 15.03.2018 SmartEnCity General Assembly in Asenovgrad](#)
- [12.04.2018 New Manifesto signed in Lisbon](#)
- [18. - 19.04.2018 Clean Buses in Europe Conference in Amsterdam](#)
- [28.06.2018 Second National Covenant of Mayors for Energy and Climate in Belarus](#)

## Upcoming Events

- 20. - 21.09.2018 [By&For Citizens, Valladolid](#)
- 25. - 27.09.2018 [Nordic Edge Expo & Conference, Stavanger](#)
- 13. - 15.11.2018 [Smart City Expo World Congress, Barcelona](#)

## News from our Sister Projects

**SCIS:** On a monthly basis, the Smart Cities Information System's storyteller Anthony Colclough is conducting interviews with people living and working in and on Smart Cities, talking about challenges and outcomes, but also hands on and tangible stories directly from the demo sites. In episode two of their podcast "Urban Reverb", Raimond Tamm, deputy mayor of Tartu, has been discussing building retrofit of Khrushchyovka's with Anthony. Head over to the SCIS website and [listen to the entire podcast!](#)

**MATCHUP:** Energy poverty is becoming a more and more important topic lately. In Valencia, a Lighthouse City of one of the newer projects MATCHUP, the City Council provides support to 50 homes at risk of energy poverty in La Malva-rosa and Natzaret. As a result of these actions, 21 families received counselling and managed to save 580 euros per year on energy. Read the entire article at the [MATCHUP website](#).

## 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

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## SmartEnCity communication channels online – Stay in touch!

After the first six project months, the main SmartEnCity communication channels are now online and working.

- Visit us on the SmartEnCity website: [www.smartencity.eu](http://www.smartencity.eu)
- Stay informed on project news via our [Twitter account](#)
- Engage in discussions in our SmartEnCity [LinkedIn group](#)
- Register for the SmartEnCity newsletter on our [website](#)



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