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4th SmartEnCity Newsletter

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Editorial

Dear smart-cities-enthusiastic readers,

First of all, it's not too late to wish you a "HAPPY NEW YEAR" – hope you've had a good start into 2018 – already the third year of SmartEnCity! Looking back on the past two years, I can thoroughly state that, by now, we've achieved a lot: The implementation phase of the project is in full progress. Moreover, the Lighthouse Cities have reached remarkable results, such as the launch of 44 new biogas buses in Sonderborg, the award winning activities in Tartu or the numerous citizen engagement activities in Vitoria-Gasteiz.

As communicated in the last newsletter, the Lighthouse Cities have published their innovative [solutions](#) and published them as good practices for interested followers at our SmartEnCity website. Now as a follow up and on the basis of these experiences, a [replication toolkit](#) has been developed, which explains in detail the steps to be taken towards successful replication.

Also, the efforts of citizen engagement are made transparent and comprehensible for interested policy makers and cities with the new publication "[Empower your city transition](#)" which describes the citizen engagement learnings of Lighthouse City Vitoria-Gasteiz.

And last but not least, we have improved the services at our website in the [network section](#). An interactive tool is now providing tailor-made information due to individual demands. Have a look and give it a try! And now...

Enjoy reading and let's stay in touch,

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

Progress in the Lighthouse Cities

Sonderborg



New Biogas Buses in Sonderborg

Sonderborg is moving forward with the implementation of its ambitious SmartCity plans: project partner SAB has completed the retrofitting of its social housing and finished the installation of the last solar panels by the end of 2017. The works have been documented and explained for the citizens of Sonderborg in a [public video](#) in Danish. This year in spring, the next housing association B42 is starting its SmartEnCity activities – we will keep you updated!

In June 2017, the launch of new biogas buses was a highlight. With 44 new biogas buses, Sonderborg became a frontrunner of smart and sustainable public transport in Europe. The new buses can carry bikes, charge mobile phones and were immediately very well received by the local citizens. About the buses, the advantages and services, a [video](#) was produced in Danish language as well.

Read more:

- [Another package of retrofitting measures completed in Sonderborg](#)
- [Sonderborg put 44 new biogas buses into operation](#)

Tartu



Model of Smart City Tartu in Estonian Science Centre

End of last year, Tartu has been extremely successful and has thus been awarded several times for its innovative solutions in the field of district heating and cooling. The reward for these efforts was not only the “Global District Energy Award” but also numerous prizes in connection with the “Energy action of the year”.

The era of diesel buses is coming to an end in Tartu. The City signed one of the biggest contracts ever, worth EUR 66 million for a new environment-friendly regular bus service. The contract includes 64 new buses running on methane gas basis and offers convenient and sustainable public transport for residents of Tartu from 2019 – 2029.

Also, the street lighting works were completed in the city centre of Tartu: More than 300 sodium lights were replaced by energy efficient LED lighting. Together with the traffic and environmental sensors, they now form an intelligent street lighting network.

Tartu’s citizens became actively involved in SmartEnCity activities: About 250 people participated in the mapping of locations of the new public bicycle sharing system. As a result, 60-80 rental stations located across the city will be realised due to the high demand, a public tender is coming up this month. Plus more than 100 persons attended an informative event in November, seeking news about practical as well as legal issues of the SmartEnCity actions.

In addition, Tartu City Government initiated the exhibition of SmartEnCity activities Estonian Science Centre AHHA, which is open for visits for all citizens and visitors. The model has been developed on the same ICT platform, which is used for collecting and storing data related to the Tartu solutions in the SmartEnCity project.

Read more:

- [Lighthouse City Tartu won “Energy action of the year” and “Global District Energy Climate Award”](#)
- [New environment-friendly bus service in Tartu. Contract signed with AS GoBus](#)

- [Smart street lighting network installed in the City Centre of Tartu](#)
- [Tartu: Mapping of public bicycle locations completed](#)
- [Informative citizen event in Tartu](#)

Vitoria-Gasteiz



Actual (left) and expected (right) view from the early-adopter's building in Vitoria-Gasteiz

Currently, the status of SmartEnCity project participants in Vitoria-Gasteiz is that 15 communities of homeowners in Coronación district joined the project. 512 homes agreed on a District Heating Network but feasibility requests a minimum of 750 dwellings, so by now 70% of the target has been reached. This is the reason why the deadline for participation has been postponed until the end of May 2018 and more buildings will be invited to take part. Furthermore, a modification of the District Heating Network will make this project accessible to more neighbours.

As part of the project, Vitoria-Gasteiz implemented a new concept of sustainable and interactive touristic tours, driving an electric vehicle and exploring the city with a virtual guide. During the city tour, the tourists visit the medieval center of the city and the surrounding areas. The virtual guide offers interesting stories, funny anecdotes and some of the the best kept secrets of the city.

Regarding citizen engagement, throughout the last months, significant information and awareness-raising activities around SmartEnCity project activities in Coronation district has happened: More than 67 meetings have been held with the communities of owners, a "door to door" campaign has contacted 879 dwellings and the new information point on Kutxa Street dealt with more than 400 information requests since the opening at the end of July 2017.

Finally, regarding the implementation, the first refurbishment works license has been issued with the action starting in March 2018 on the so called "early adopters" – a community of 24 dwellings will improve thermal and isolation characteristics as well as the aesthetic image.

Latest news is that Vitoria Gasteiz's implementation of SmartEnCity project has been chosen by the Basque Government as one of the "10 flagship projects of 2017". Congratulations!

Read more:

- [Vitoria-Gasteiz lighthouse project status at end of 2017](#)
- [Vitoria-Gasteiz follows a new concept of guided and sustainable tourism](#)
- [First retrofitting works are about to start in Vitoria-Gasteiz](#)
- [Basque Government awards SmartENCity Project](#)

News from the SmartEnCity Network

As a special offer to interested people and cities, we have improved our services at the SmartEnCity Network section of the website. An interactive map is providing information due to specific needs. The facts can either be approached by clicking at the respective city or by selecting solution categories as a filter such as smart buildings, mobility, street lighting or citizen engagement or governance and planning for instance. Try it out and select from good city practices from all over Europe! Also, you can find a calendar with network related events and detailed information about findings and presentations of past events. By the way, we've had a successful network event during the SmartEnCity Conference Week in October 2017 in Sonderborg. Have a look at our new [website](#) and find program, plenary speeches and presentations.

Our Network is constantly growing; more than 28 European cities are already members whereas more than 15 have expressed their interest in joining the network. This year, we've planned a network event in Asenovgrad. On the 15th of March, we will meet and discuss SmartCity solutions in Bulgaria and how a Smart Integrated Urban Plan can add

value to cities in transition. The SEC network meeting will include visits to several Asenovgrad sites to review the urban transition. The event program will be promoted on the network website soon

Join the [SmartEnCity Network](#) and profit from the experience of the smart cities forerunners!

Past Events

- From 4th to 5th October 2017, the [SmartEnCity Climate Conference](#) took place in Sonderborg, including Follower City workshops (see above)
 - Together with all SmartCity projects from across Europe, SmartEnCity took part in the 7th [Smart City Expo World Congress](#) in Barcelona from 14th through 16th November 2017 sharing a booth showcasing 12 European Commission funded projects and initiatives.
 - During December 2017, seven of the Danish (city)members of the SmartEnCity Network met and discussed how improved cooperation can help each member-city progress impact and frame conditions for the Smart Energy transition. The discussions will continue in 2018 where the cities will organise joint smart energy transition workshops at the Danish People Meeting 2018 (Folkemøde) on the island of Bornholm.
 - On Friday, the 26th of January, a Smart Cities and Community (SCC) workshop took place in Brussels from and for all Follower Cities within the SCC1 projects (currently 12). "[Learning from the Successful](#)" was the title, "How can Lighthouse City Smart Solutions be Replicated in Follower Cities?" **Press Release**
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Upcoming Events

- From 13th to 15th of March, SmartEnCity will hold its General Assembly in Asenovgrad, also including a Network event focusing on Bulgarian cities (see above).
 - [Every Thing is Connected](#), 20.- 22.03.2018, Manchester, UK.
Three days of events to share the findings from local and international Smart City projects through hands-on demonstrations, discussions, networking and art installations.
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News from our Sister Projects

SmartEnCity is one of [twelve European Smart Cities and Communities Lighthouse projects](#), currently receiving funding within the European Union's Horizon 2020 Research and Innovation programme.

We welcome the latest three members to our SCC1 Lighthouse projects family! In October and November 2017 the three projects [STARDUST](#) (with the LHC Pamplona, Tampere and Trento), [IRIS](#) (with demonstration areas in Utrecht, Göteborg and Nice) and [MatchUP](#) (gathering the LHC Valencia, Dresden and Antalya) have started.

Find them also on Twitter:

[@stardustH2020](#) | [@IRISsmartcities](#) | [@matchupEU](#)

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 Sonderborg (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 replicating the approach elsewhere in Europe. Under the coordination of 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 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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Picture sources: respective Lighthouse Cities

The **SmartEnCity newsletter** is published every six months, informing about the project and its news. **Register** for the newsletter on our project website: www.smartencity.eu

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
- 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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