



EU Smart Cities
Information
System



SCIS is funded by
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Latest news

Double experience: ZenN and BERTIM projects



by Antonio Garrido-Marijuan, Austrian Institute of Technology & SCIS

A smart city should deploy a wide range of solutions to increase the energy efficiency and optimize the mobility within its borders while interacting with the different stakeholders: citizens, public authorities, researchers, etc. Due to this broad scope of interventions developed by the European R&D community, the projects vary from focusing on very concrete technologies like serious gaming that aims to engage private consumers to covering the whole smart city chain in big lighthouse projects. All of them fall, of course, into the scope of the Smart Cities Information System (SCIS).

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Cheap-GSHPs project:
a valuable experience
in shallow geothermal
systems for heating

Top Smart Cities in the
world today

We have economic
growth, even as the
use of electricity is
declining!

and cooling in buildings

by Dr. Adriana Bernardi, Project Coordinator of Cheap-GSHPs

For the past year I have had the opportunity to work as a project coordinator of the Cheap-GSHPs project, co-funded under the Horizon 2020 programme of the European Union. The acronym stands for Cheap and Efficient Application of Reliable Ground Source Heat Exchangers and Pumps, which clearly shows what the project aims to accomplish until 2019.

[Read more...](#)

According to Frost & Sullivan, the global Smart Cities market is projected to reach US\$1.56 trillion by 2020. With rapid urbanization and ageing populations, cities are facing increasing strain on infrastructure, transportation, energy and healthcare resources. To address these urban challenges, governments are embracing the concept of the smart city and looking to apply new technologies to improve sustainability, liveability and quality of life for citizens.

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Many still see increased electricity consumption as a precondition for economic growth. This was true also in my mind. It seemed logical that if we produce more and earn more, we'll consume more energy (not only electricity). Scientists documented, over and over again, that a higher electricity consumption per capita has a strong correlation, not only to social development indices, such as infant mortality rate and maternal mortality, but also to economic indices, such as GDP.

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EC recommendations on promotion of Nearly Zero Energy Buildings

On July 29th 2016, the European Commission released its guidelines for the promotion of NZEBs and best practices that, by 2020, all new buildings are NZEBs. Nearly Zero Energy- or very low amount of energy requirements- Buildings (NZEBs) represent one of the key measures set by the European Energy Performance of Buildings (EPBD). The concept of nZEBs will apply from January 2021 onwards (from January 2019 for public buildings).

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Smart City 2.0: Transforming Cities Into Self-Learning, Self-Modulating Organisms

From 30,000 feet, you could be forgiven for thinking that a city has a pulse. On camera, time-lapse photography of the morning in-rush of traffic, followed by the evening exodus, looks like a beating heart. The road networks in and out of cities create constant streams of cars—they are the veins that transfer cars out to its extremities. Zoom out even further, and footage taken over a longer period reveals how the city grows as its borders expand.

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We are accepting submissions for guest blog posts!

We are accepting submissions for guest blog posts! We are looking for great content (articles, interviews, infographics, videos) which is consistent with our blog topics such as -smart cities, energy efficiency, sustainable mobility, urban planning, citizen engagement, innovative technologies, etc. Email us at info@smartcities-infosystem.eu and tell us your ideas! We are looking forward to your submissions and to sharing them with our followers.

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Events

Budapest Energy Summit

5-6 December 2016
Budapest, Hungary

[More information...](#)

Smart Mobility 2020

11 October 2016
Ljubljana, Slovenia

[More information...](#)

Local Renewables Conference 2016

26-28 October 2016
Freiburg, Germany and Basel, Switzerland

[More information...](#)

Projects



STORM

The STORM project tackles energy efficiency at district level by developing an innovative district heating & cooling (DHC) network controller. It aims to demonstrate that thanks to a smart DHC network controller energy savings can reach up to 30%.

Visit the project's SCIS page
Visit the project's website..

Projects



OrbEEt

OrbEEt aims to introduce an innovative solution to facilitate public and social engagement to action for energy efficiency by providing real-time assessments of energy impact and energy-related organisational behaviour.

Visit the project's SCIS page...
Visit the project's website...

From the community



@EU_BUILDUP

Learn more about funding opportunities for #energyefficiency
<http://bit.ly/29qkw9E>
#EnergyUnion #EU4Growth #SMEs



@eumayors

New call for #city #twinning on #climatechange #adaptation
[http://www.covenantofmayors.eu/news_en.html?id_news=765 ...](http://www.covenantofmayors.eu/news_en.html?id_news=765)

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The Smart Cities Information System (SCIS)

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