



European project MAKING-CITY officially kicks off

Energy efficient pathway for the city transformation: enabling a positive future

MAKING-CITY is the new large-scale demonstration project funded by the Horizon 2020 EU's research and innovation programme and it holds its kick-off meeting on 13-14 December in Valladolid (Spain). Gathering 34 partners from 9 countries, this 60-month project has a budget of 20 million euros and aims to address and demonstrate the urban energy system transformation towards low-carbon cities following the Positive Energy District (PED) concept.

Coordinated by the CARTIF Technology Centre, the project involves 2 "lighthouse cities", Groningen and Oulu. Both cities have been chosen due to their current work and commitment on energy transition. The PED concept developed in the project will be tested and validated in the two "lighthouse cities" and then replicated in 6 "follower cities": León (Spain), Bassano del Grappa (Italy), Kadiköy (Turkey), Poprad (Slovakia), Vidin (Bulgaria) and Lublin (Poland). The consortium is made up of key stakeholders within the value chain of smart cities: leading European research/academic institutions, large industries, SMEs, public bodies and specific exploitation expert partners.

MAKING-CITY enables a positive future for cities.

Whatever their size is, cities are essential actors in fighting climate change. In 2016, the "Deadline 2020" report indicated that cities alone can reduce 5% of the world's global emissions, contributing to meet the 2015 Paris Agreement, and in concert with other tiers of government and the private sector, they can potentially contribute to reduce 46%.

MAKING-CITY will focus on achieving evidences about the actual potential of the PED approach. This approach will be the basis of high-efficient and sustainable plan and will be used to implement an energy efficient pathway for the city transformation. In a context of the COP 24 and the 2015 Paris Agreement, MAKING-CITY will contribute to the long-term City Vision 2050 boosting energy transition in cities. The project will develop advanced procedures and methodologies based on the PED approach as defined in the European Strategic Energy Technology Plan (SET Plan): "A Positive Energy District is a district with annual net zero energy import and net zero CO₂ emissions, working towards an annual local surplus production of renewable energy".

Activities and results carried out in the MAKING-CITY project would benefit a lot of cities taking into consideration that nearly 9,000 cities in the world have already publicly pledged to participate in the Global Covenant of Mayors for Climate and Energy, an international coalition of cities and local governments sharing the same long-term vision of action to "combat climate change and move to a low emission, resilient society".



Project Details

Project N°: 824418

Starting Date: 01/12/2018

Project Duration: 60 months

Partners

- **Spain:** Cartif (RTO), Leon Municipality (Public), Green Building Council España (Assoc) & Tecnalia (RTO)
- **The Netherlands:** Groningen Municipality (Public), Warmtestad B.V (Ind), TNO, (RTO), Grunneger Power (Coop), Stichting Energy Valley (RTO), Waarborg Mediacentrale (Ind), Stichting Nijestee (Ind), CGI Nederland B.V. (Ind), Sustainable Buildings B.V. (SME), University of Groningen (Univ) & Hanze University of Applied Sciences (Univ)
- **Finland:** Oulu Municipality (Public), Oulu Energy (Ind), Oulu University (RTO), Oulun Sivakka OY (Ind), YIT (Ind), Jetitek OY (SME), Arinan Kiinteistöt OY (Ind) & Teknologian Tutkimuskeskus VTT OY (RTO)
- **Italy:** Bassano del Grappa Municipality (Public) & Unismart Padova Enterprise SRL (SME)
- **Turkey:** Kadikoy Municipality (Public) & Demir Enerji (SME)
- **Slovakia:** Poprad Municipality (Public) & Slovak Technical University of Bratislava (Univ)
- **Bulgaria:** Vidin Municipality (Public) & Green Synergy Cluster (Assoc)
- **Poland:** Lublin Municipality (Public) & Lublin Energy & Heating Company (Ind)
- **France:** LGI (SME), Cap Digital (Assoc) & R2M (SME)

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