



26 October 2020

PRESS RELEASE

New Consortium created to demonstrate how cities can achieve energy neutrality.

The consortium of REnergetic - Community-empowered Sustainable Multi-Vector Energy Islands - is delighted to announce the start of this joint initiative selected and granted by the European Commission under the Horizon 2020 Research & Innovation programme.

The European Commission's aim is to achieve climate neutrality by 2050. To this end, it plans to reduce the emission of greenhouse gases by between 40% and 50% by 2030. REnergetic will help to achieve these goals, and for this reason the European Commission has opted to finance this project.

The main reason why this Project has been conceived is to demonstrate the viability of the so-called urban energy islands. These islands place the consumer at the center of the energy transition, taking an active part in energy communities capable of producing their own energy, sharing the surplus with the rest of the public grid and optimizing consumption.

REnergetic's goal is that these islands are able to produce their own energy, optimize different energy vectors (electricity, heating and waste treatment) and empower their citizens, allowing greater control of the energy infrastructure that surrounds them. REnergetic will demonstrate that Urban Energy Islands increase both the amount of renewables in



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these areas and the energy efficiency of local energy systems. Innovative technologies will be used to achieve this goal, including the creation of Digital Twins (to facilitate replicability to other cities) and intelligent control algorithms based on artificial intelligence.



REnergetic will demonstrate the viability of this energy islands in three site pilots, each of them of a different nature: New Docks, a residential area in Ghent – Belgium, Warta University Campus in Poznan, Poland and San Raffaele Hospital and its investigation and research campus in Segrate-Milan, Italy. The impact of the Urban Energy Islands is assured as technical, socio-economic and legal / regulatory aspects are considered while safeguarding economic viability.

REnergetic will be carried out over the stretch of 42 months, 3 and a half years, involving 12 prominent European partners: Inetum (Spain, France, and Belgium), Clean Energy Innovative Projects and Gent University (Belgium), Poznan University of Technology, Veolia and Poznan Supercomputing and Networking Center (Poland), Ospedale San Raffaele, Comune di Segrate and University of Pavia (Italy), Energy Kompass GMBH (Austria) and the University of Mannheim and Passau (Germany).



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 <p>inetum. Positive digital flow</p>	 <p>UNIVERSITÄT MANNHEIM</p>	 <p>UNIVERSITY OF PASSAU</p>
 <p>CLEAN ENERGY INVEST</p>	 <p>UNIVERSITEIT GENT</p>	 <p>energie.kompass</p>
 <p>POLITECHNIKA POZNAŃSKA POZNAŃ UNIVERSITY OF TECHNOLOGY</p>	 <p>PSNC</p>	 <p>VEOLIA</p>
 <p>OSPEDALE SAN RAFFAELE</p>	 <p>UNIVERSITÀ DI PAVIA</p>	 <p>Città di Segrate</p>



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