



Pre-commercial Procurement of Breakthrough Solutions for 100% Renewable Energy Supply in Buildings

The EU Horizon 2020 project [procuRE](#) brings together the cities of Barcelona, Vila Nova de Gaia (Porto), Istanbul, Velenje, Nuremberg and Eilat to procure R&D services in building technology and renewables for a total sum of €7.68 million ([PIN on TED](#)). The innovation procurement is a three-stage competition. Successful suppliers are expected to provide a solution platform for advanced retrofits, seamlessly combining innovative energy and building technologies to operate public buildings on 100% renewable energy generated on-site at all times throughout the year. The solution is to be demonstrated in six public buildings (three schools and three offices). The results of the project will pave the way for the decarbonisation of the 21,000 buildings owned by the participating cities through replicable solutions.



procuRE tackles the lack of market solutions for common challenges of property owners

Advanced retrofits involving multiple technologies are a challenge that all building operators face today. Integration of the optimal selection of cutting-edge renewable energy, monitoring and control technologies requires a level of expertise most property owners and their planners cannot be expected to acquire (e.g. on RES, BIM, HVAC, storage, BEMS, AMR, interoperability). The relevant sectors are extremely fragmented, and investors have a natural preference for low-risk solutions and an aversion to complexity.

procuRE finances for supplier-driven innovation for advanced retrofits

procuRE is going to invest in R&D services by suppliers who are expected to develop a platform which enables them to conduct advanced retrofits in a more time and resource-efficient way. Advanced retrofits are to provide 100% renewable supply and follow local demand (heat, cold, electricity) to the largest extent possible throughout the year. The solution is to be applicable to the widest possible range of public buildings in and around Europe. A core element is a new co-design approach which allows procurers to make transparent and confident choices even for complex solutions. The approach is to be demonstrated in schools and offices.

procuRE solutions enable property owners to make rapid decisions on turnkey delivery of cost-effective advanced retrofitting which includes RE of an extensive stock of public buildings.

Next steps

Suppliers are (i) invited to participate (or view) [Open Market Consultations](#) (OMC), (ii) to enter details in [matchmaking platform](#) and to (iii) and to submit a [proposal](#).

Property Owners are invited to become [Preferred Partners](#) or join OMCs (see above).

All are invited to provide insight via the [questionnaire](#) and to register for [newsletter](#).

Project timeline

- 2021: April-July – OMC Events
- 2021: October – Request for Tender
- 2022: Phase I – Solution Design
- 2022: Phase II – Prototype Development
- 2023: Phase III – Implementation
- 2024: Open Pilot Days

Procurers



Supporting organisations

