MAKING BRITISH ENERGY GRIDS SMARTER

Smart energy management systems wanted for a large housing provider in the UK; exploring solutions for future energy markets.

A large affordable housing provider in the UK is looking to become an energy service provider through partnerships, joint ventures, or other organisational models. The aim is a return on investment, and not only for the tenant.
Bax & Company is facilitating the competition within the framework of the DREEAM project.

The winning solutions will use innovative technologies and processes to deliver a functional cost-effective pilot smart energy system. Successful candidates will receive €10 000 to perform a feasibility study, with the potential to then develop and launch a pilot on site.

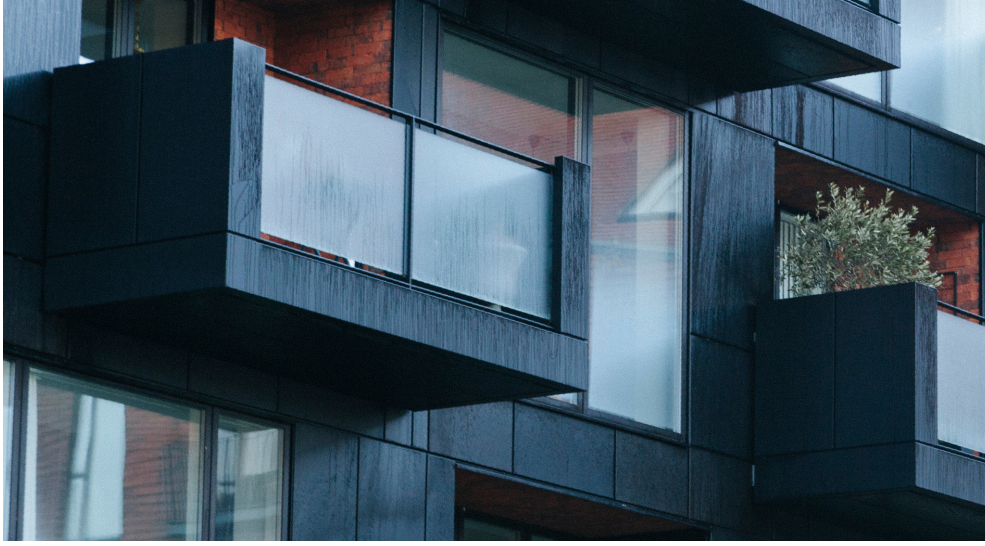
The system could potentially work inside the estate to manage and control

- The generation of renewable energy
- Its storage and use
- The trade of excess energy inside and outside the estate

BAX & COMPANY
VALUE FROM SCIENCE AND TECHNOLOGY

dreeam
scaling energy renovation

Housing providers are now exploring the option of becoming energy service providers



In the first phase, we are looking for up to five innovative companies or collaborations of companies to develop design solutions.
In the second phase, we are looking to set up the first onsite smart grid pilot, consisting of up to 100 recently renovated dwellings with preexisting solar panels. The microgrid could be operational by the end of the first quarter of 2019.

TIMELINE

October 2018

DEADLINE FOR EXPRESSION OF INTEREST

Late October 2018

INTRODUCTION TO BUSINESS CASE

December 2018

DEADLINE FOR BUSINESS CASE DEVELOPMENT

TECHNICAL CHARACTERISTICS

- The dwellings are currently being retrofitted with a PV array of 1.2kW per unit.
- All properties have been equipped with electric heating, following the insulation improvement.
- Hot water is provided by a DHW cylinder, heated by the PV. The only "semi-smart" system that enables the storage of surplus electricity generated during the day.
- No battery storage or CHP installed.
- Retrofitting has also meant the installation of a more efficient ventilation system (that does not, however, offer any flexibility).
- Most properties are, or will shortly be, equipped with prepaid meters.
- The onsite distribution system is characterised by one substation.

FOR MORE INFORMATION, PLEASE CONTACT
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