



Creating Local Energy

People Powered:
Repowering's peer-2-peer local supply trials



REPOWERING is a Community Benefit Society

We specialise in co-producing community-owned renewable energy projects

Our vision is to create resilient, empowered communities that control and own the generation and usage of renewable energy.

Since 2010 we have helped develop over 230kW of rooftop solar on block of flats like Elmore House on the Loughborough Estate in south London



However unlike rooftop solar on houses, the residents are unable to use the electricity being generated above their heads to reduce their electricity bills



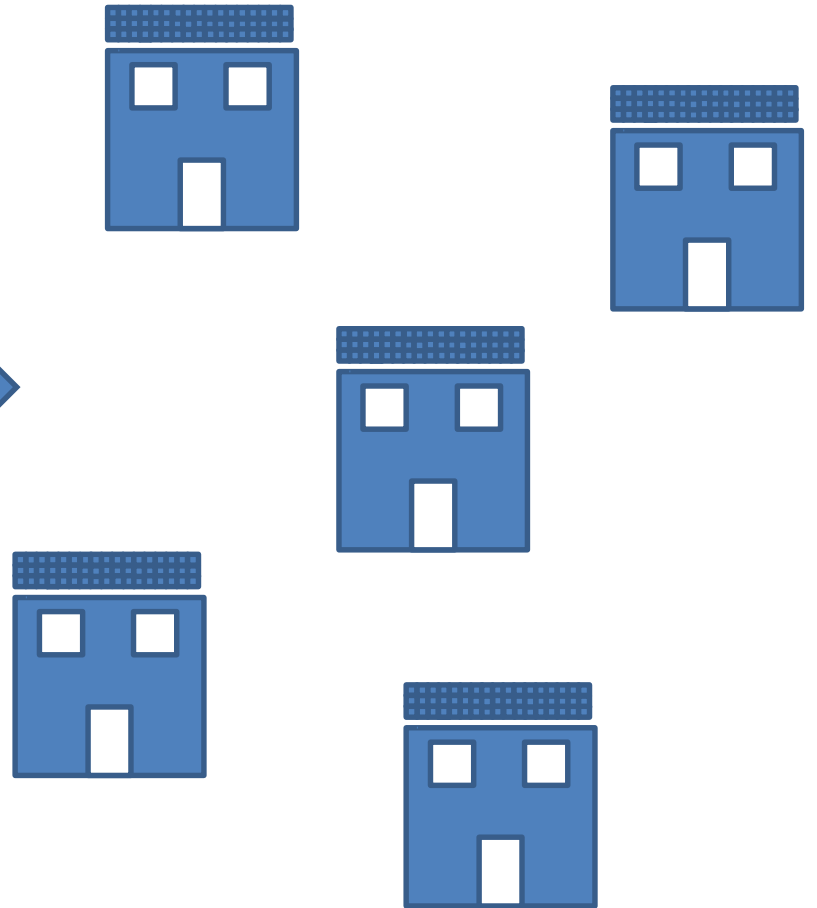
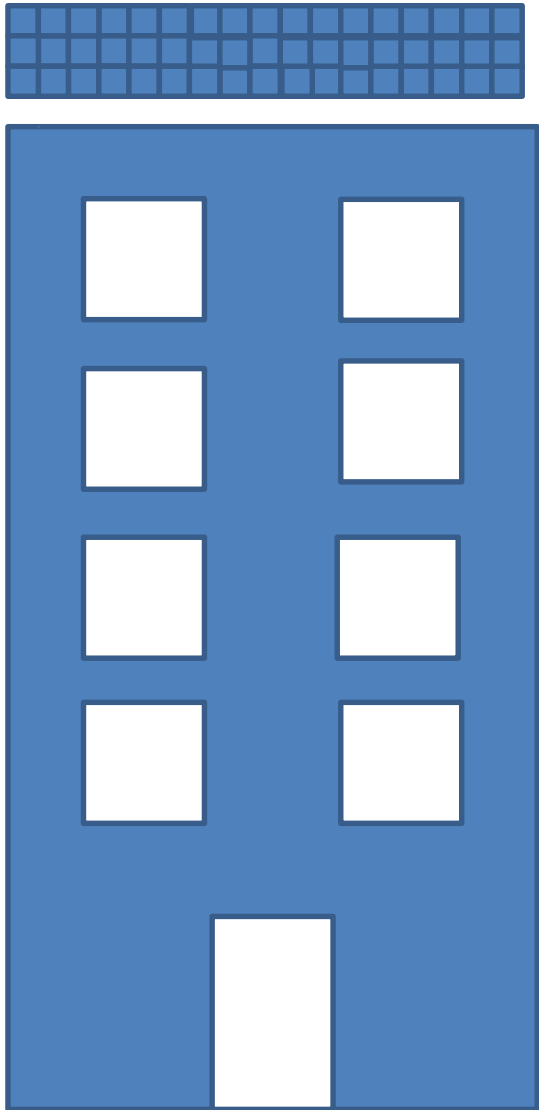
Repowering are working with three community groups to test ways of giving residents a fair share of the energy produced by the solar installations on their flats



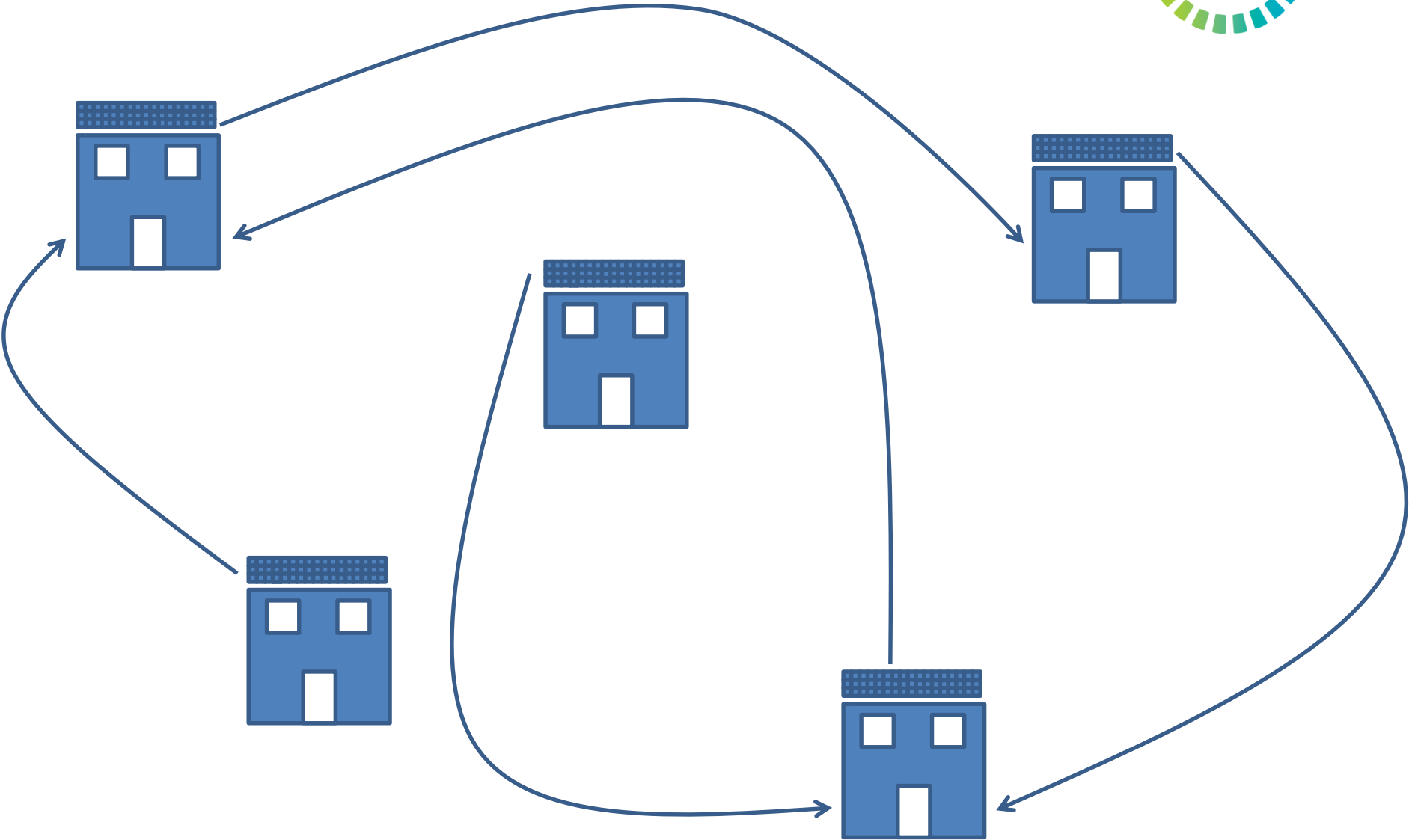
We will also be testing ways of sharing surplus solar energy with other residents, as well as other communities that don't have their own solar installations



This is the idea:



And then we can do this:



One of the trials has been approved by Ofgem as part of the first round of 'sandbox' proposals



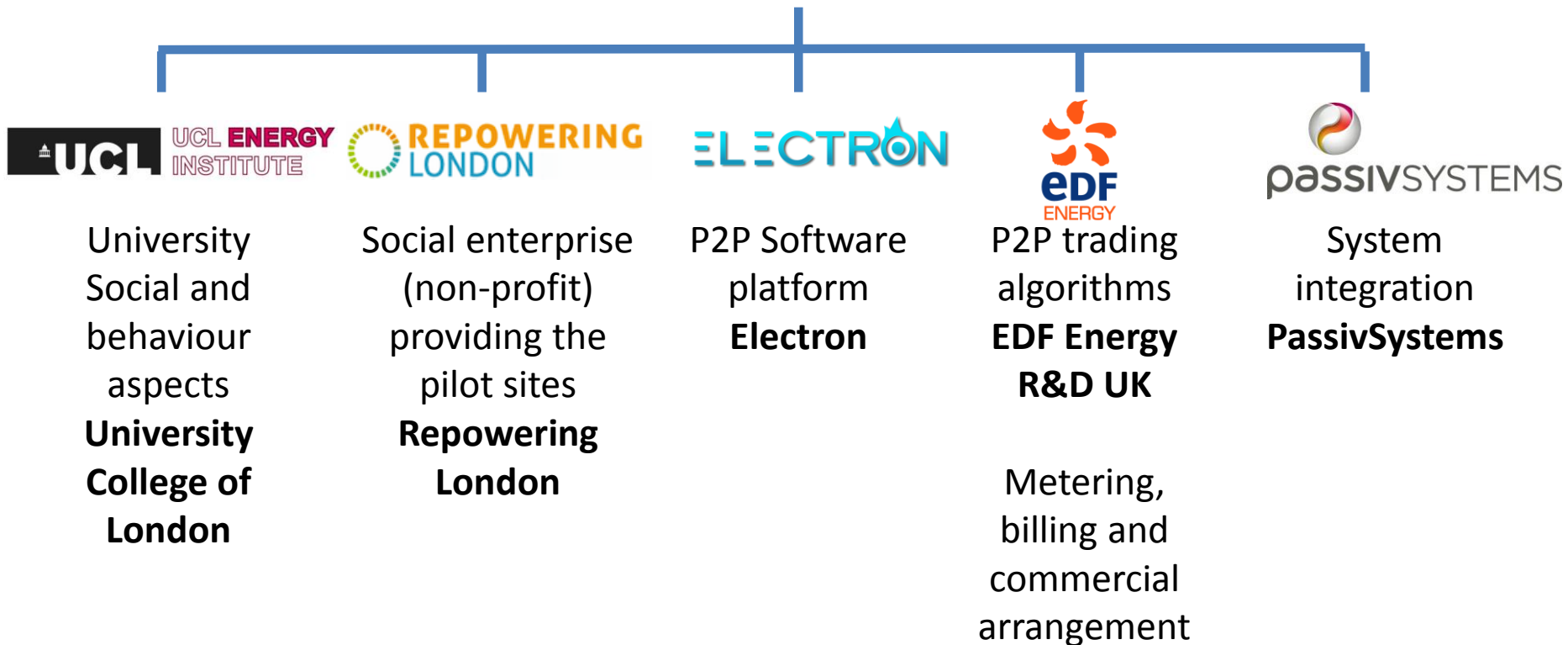
ofgem

ELEXON



Project selected as a part of the Ofgem Sandbox initiative

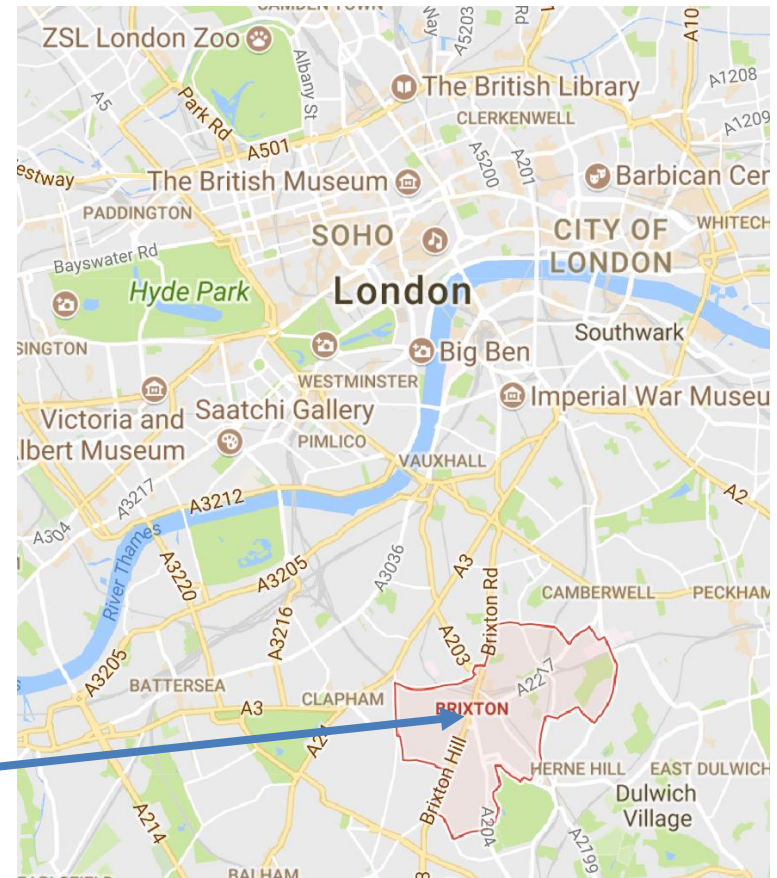
Project Lead
EDF Energy R&D UK



Site description

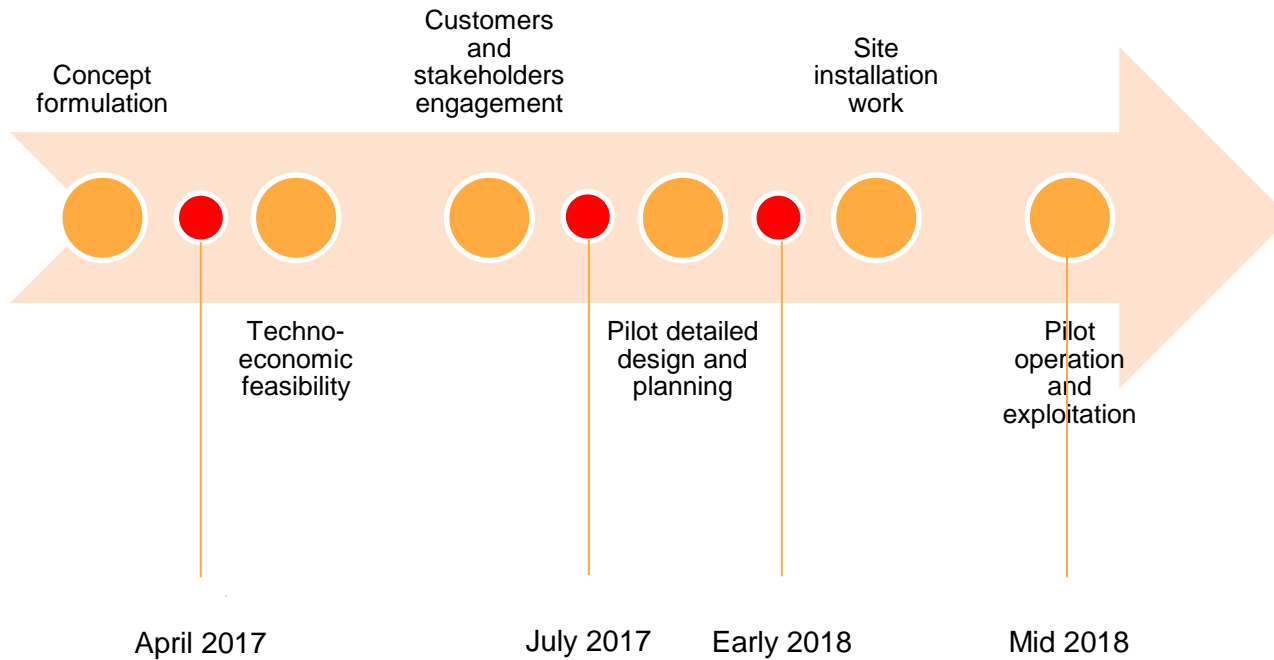


- Brixton, London Borough of Lambeth
- Landlord system: communal lighting and one lift
- Apartments: 62 two-bed properties, pre-pay meters, gas central heating and electric immersion heaters
- Generation: 37kWp PV roof plant supplying landlord load, >90% of power produced is fed back into the distribution grid





Project timeline



Social benefits



- Residents are projected to save 10-20% on their electricity costs
- Income to the community cooperative that owns the solar generation will also increase
- Legacy=
 1. A viable model for community energy in multi occupancy buildings
 2. Rewiring the relationship between energy producers and consumers
 3. Sustainable pathway for low carbon generation in urban areas

Contact details



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