

Project ERIC

Energy Resources for Integrated Communities



Project ERIC was the first large scale domestic solar and storage project in the UK; bringing smart energy storage and solar power to 82 homes, a school and a community centre in Rose Hill, East Oxford. Running from 2015-2017, the project aimed to reduce the average peak grid load, increase the communities solar consumption and prove that smart batteries could lower household bills.

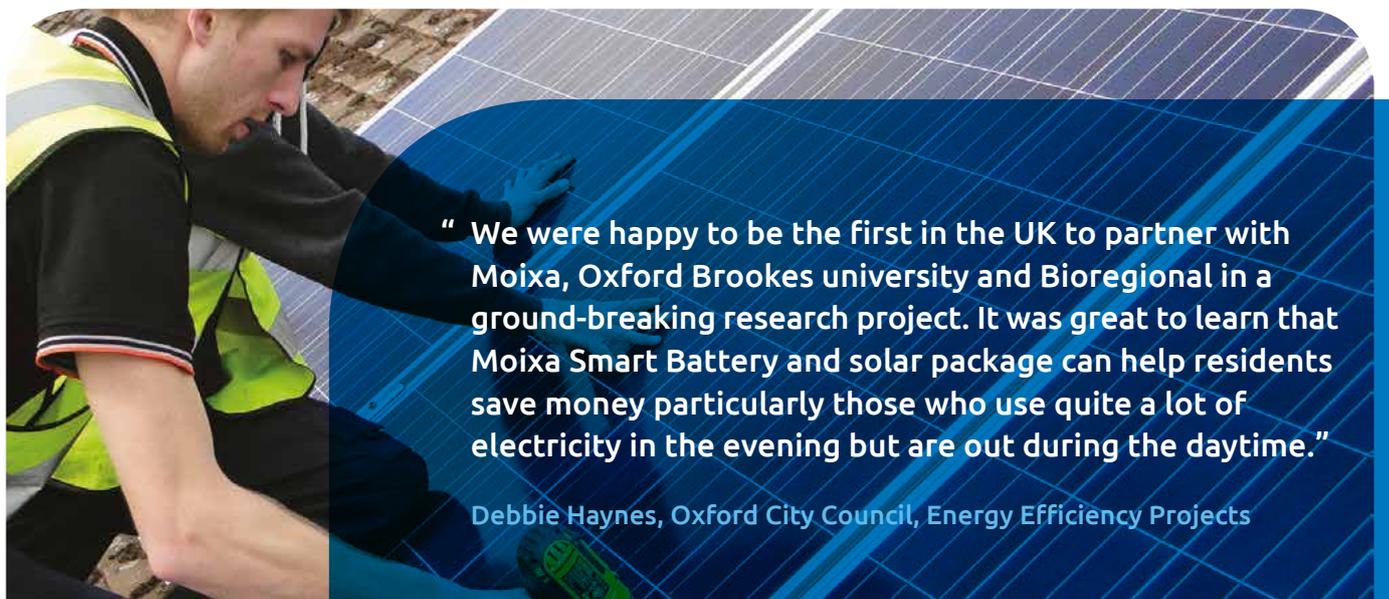
Highlights

- ✓ Household energy bills lowered
- ✓ Increased solar energy consumption
- ✓ Reduced peak load on the local grid

Moixa

Moixa was chosen to deliver storage and ongoing services across the 2 year pilot. Our team completed the survey, installation, maintenance and also managed the tenant experience.

For Project ERIC, the third generation battery was deployed and the learnings from this project have been instrumental in further product development, including the fourth generation hardware which is currently being deployed.



“ We were happy to be the first in the UK to partner with Moixa, Oxford Brookes university and Bioregional in a ground-breaking research project. It was great to learn that Moixa Smart Battery and solar package can help residents save money particularly those who use quite a lot of electricity in the evening but are out during the daytime.”

Debbie Haynes, Oxford City Council, Energy Efficiency Projects

Customer Benefits



Annual community energy savings: 1.8MWh of electricity

Made up of 0.6MWh battery consumption and 1.2MWh direct solar consumption.



Annual household bill reduction: £170+

Based on an electricity unit price of £0.14, and consisting of up to £80 from the battery and £90 from solar.



Increased community consumption of solar: 0.6MWh

This is the result of time shifting solar.



Carbon saved annually across the community: 9 tonnes

The equivalent to planting almost 50 trees.



Learnings

Battery rightsizing

- The 2kWh Moixa Smart Battery is suitable for a typical ERIC household.
- An average 1.5kW of peak solar can fully charge the Moixa Smart Battery each day.
- Some higher use households would benefit from 3kWh storage, but storage may not fully charge each day in winter months.

Customer engagement

- Tenants requested clear and concise communications by letter and email.
- The more engaged tenants benefitted from higher savings.
- It was vital to explain benefits to tenants upfront.

Next Steps

- Moixa and Oxford City Council are pioneering the first ever social housing to grid services storage contract targeting 54 of the 82 households.
- The GridShare cashback scheme will deliver additional savings.



About Moixa

Moixa is the UK's leading designer and manufacturer of a solar domestic battery and platform for managing storage services. The company acts as a full-service battery operator, providing smart hardware and software, called GridShare, to manage increasing fleets of distributed energy storage across for variety of customers, utility, local network and grid services.

0207 734 1511
info@moixa.com
www.moixa.com