



- LOCATION **Kirkliston, Edinburgh**
- SYSTEM SIZE **107 2.5kW solar and 4.8kWh battery systems**
- EXPECTED ANNUAL GENERATION **195,782 kWh**

Locogen supplied and installed roof-mounted solar PV and battery storage technology on existing social housing in Kirkliston, Edinburgh for The City of Edinburgh Council.

Locogen were delighted to win a contract with The City of Edinburgh Council to supply and install roof-mounted solar PV and battery storage technology on existing social housing in Kirkliston, Edinburgh.

The main aims of the project were to help The Council reduce their carbon footprint and provide tenants with a saving on energy bills, hence providing more affordable living. Locogen fulfilled this brief by installing 2.5kW of solar PV and 4.8kWh of battery storage on 107 properties in Kirkliston. This was with the help of Edinburgh-based charity Changeworks who were employed by The Council to project manage and oversee the delivery of the contract.

The project was not without its challenges. Locogen was awarded the contract in March 2020, coinciding with when the COVID-19 pandemic was beginning to impact the UK. Locogen had to adhere to additional guidelines and face delays from lockdowns and vulnerable residents isolating. Despite this, Locogen managed to complete the works 3 months ahead of schedule and within budget.

In addition to being excellently executed, the project is highly innovative in that it will be used to provide grid services to the local network via an aggregator, thus providing some valuable learning for future projects of this type.

Changeworks' Senior Project Officer, Nicola McIntosh expressed her thoughts on the project by saying:

"Changeworks worked with Locogen to deliver Solar PV and Battery Storage to 107 council owned properties. Their knowledge and expertise contributed to making the project a real success and it was a pleasure to work with them."

The City of Edinburgh Council conveyed their praise by providing the following quote:

"The council is delighted to have worked in partnership with Locogen and Changeworks to deliver this innovative low carbon / renewable energy solution to over 100 Council homes. This will provide both energy savings to tenants and emissions savings for the city and has generated significant interest from the wider community."



Locogen's Head of Energy Services, Stuart Hamilton, shared his enthusiasm for the project by saying:

"This was a really exciting and innovative project which we were thrilled to be involved in. The future of renewables is definitely bright and we are seeing more and more of these projects incorporating battery storage coming through."

WHY LOCOGEN?

Locogen is an internationally recognised and award-winning expert in facilitating the development, construction and operation of renewable energy systems for our partners and clients. Our vision is to see the world powered by 100% distributed renewable and low carbon energy; where everyone has access to affordable, sustainable energy and clean air. We work to realise that vision by providing investment-grade technical and commercial expertise and advisory services to support the development, design, build and operation of renewable energy and low carbon projects in the UK and internationally.

SERVICE AREAS

We operate across all project stages, from site finding, feasibility and options appraisal, all the way through to construction, asset management and decommissioning. These services are delivered via our development, operational services, consultancy and energy services divisions.

DEVELOPMENT

Locogen has been developing renewable energy projects since 2009. We have successfully developed utility and commercial-scale wind and solar farms, along with community hydro projects. We often develop projects in partnership with other organisations, such as private equity investors, landowners, international developers and community groups. We are actively seeking new projects to invest in and we bring considerable experience and expertise to ensure success. We also offer a zero-risk option for landowners, where we lease the site and take full responsibility for every aspect of the development. If you're simply looking for finance, we can help identify the best-fit deal or look at investing in your project ourselves.



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OPERATIONAL SERVICES

Our operational services team delivers asset management, operation and maintenance services across a range of renewable technologies. Asset management is key to ensuring the proper operation of your renewable energy asset, maximising revenue streams and boosting return on investment. Securing the right asset performs to your expectations over the course of its lifetime. Locogen has comprehensive asset management packages for wind, solar and hydro projects. Services include performance analysis, maintenance co-ordination, operational administration, regulatory compliance and financial services. We tailor these packages to meet precise needs of individual clients. Our asset management team has an excellent record in minimising downtime, responding quickly to technical issues to maximise generation - and revenues. Our Power Purchase Agreement (PPA) service is free to all asset management clients and secures the best deals available.

ENERGY SERVICES

Our energy services team complements our renewable energy consultancy and development divisions, offering contracting services over a wide range of technologies, including wind, solar, renewable heat and hydro projects. Our team includes experienced consultants, designers, field engineers, electricians and project managers. The renewable energy services team can also act as principal or main contractor, taking full control and responsibility for construction of your renewable energy project.

The team has worked extensively across sectors such as new-build and social housing, public sector, commercial and community groups. Our experience and expertise ensure these projects are delivered safely, on schedule and to budget.

CONSULTANCY

Our consultancy team provides professional services at every stage in the life of a renewable energy project. At the very earliest stage, we conduct feasibility studies to advise on the viability of the project and perform formal due diligence services to ensure lenders or investors are appraised of all project risks. Our design team will take the project through from survey to complete project design and our consenting services will make sure all proper consents are obtained to allow the project to proceed. We offer expertise in mature technologies, such as wind, solar and renewable heat, and also advise on emerging sectors such as hydrogen, net-zero strategies, energy storage and local energy markets.

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