



- LOCATION **Argyll and Bute, Scotland**
- SYSTEM SIZE **5.1MW**
- EXPECTED ANNUAL GENERATION **10,331 MWh**

Locogen was appointed to prepare a renewable energy strategy for Argyll and Bute Council and then supported the Council in the implementation of the strategy.

Locogen was tasked to develop a strategy for the implementation of renewable technologies across Argyll & Bute council's estate. The specific objectives of the project were to:

- Research and agree the Council's investment objectives and renewable energy targets
- Provide an overview of the renewable energy market, technology options and market incentives
- Confirm the technology focus of the renewable sourcing strategy
- Strategically assess the Council's estate to identify a short-list of priority renewable energy projects
- Assess the procurement options available for the short-listed projects
- Discuss progress and future works required to implement short-listed projects
- Produce an implementation strategy for short-listed projects showing the impact on the Council's renewable, carbon emissions and economic development targets

The initial research identified that solar PV, biomass, wind and hydro offered the most opportunities to the Council whilst meeting their investment objectives. 194 potentially suitable opportunities were identified across the estate. A more detailed assessment of each project then identified a short-list of 40 preferred projects. These included 12 biomass heating projects, 18 solar PV projects, 8 small/medium scale wind projects and 2 hydro projects.

To date all biomass heating and solar projects have been installed, along with one of the medium scale wind projects. Other wind and hydro projects did not proceed due to planning and/or property issues.

Locogen acted as the Council's project manager and engineer through the implementation of the solar and wind projects. We prepared the technical specification for the procurement of the projects, reviewed and scored tenders received, managed the installation and provided quality assurance to ensure the installations met specifications. All projects are now operational and performing well.

The Council are now keen to look at a next phase of the strategy, encompassing a wider range of low carbon technologies, including heat pumps, demand side response, energy storage and ultra-low emissions transport.



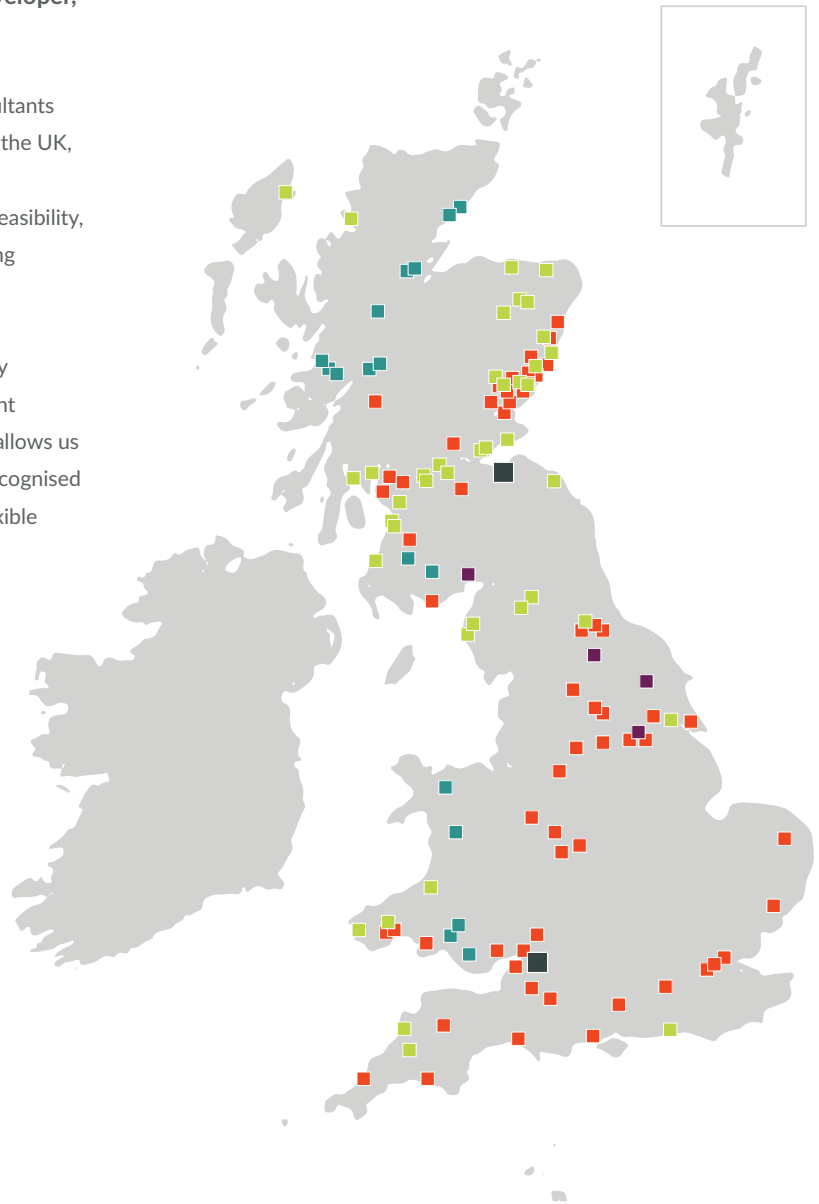
WHY LOCOGEN?

The Locogen Group, an award-winning pioneer in the sector, has been established since 2009 as a consultancy, developer, installer and operator of renewable energy assets.

Our team of engineers, project managers and technical consultants has delivered hundreds of renewable energy projects around the UK, covering wind, solar, hydroelectric and anaerobic digestion technologies. We take projects from initial concept through feasibility, design, consenting, due diligence, construction, commissioning and operation.

We have developed and operate wind, solar and hydro energy portfolios of our own. We also have a large Asset Management client-base which benefits from our experience; this volume allows us to spread costs and keep our services competitive. We are recognised as a proactive, honest and professional company, and our flexible services are renowned within the sector.

We have a national presence, with a UK-wide network of engineers and technicians giving us a quick response time, ensuring project down-time is low and system performance is maximised.



Our Projects

- WIND
- SOLAR
- HYDRO
- ANAEROBIC DIGESTION

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