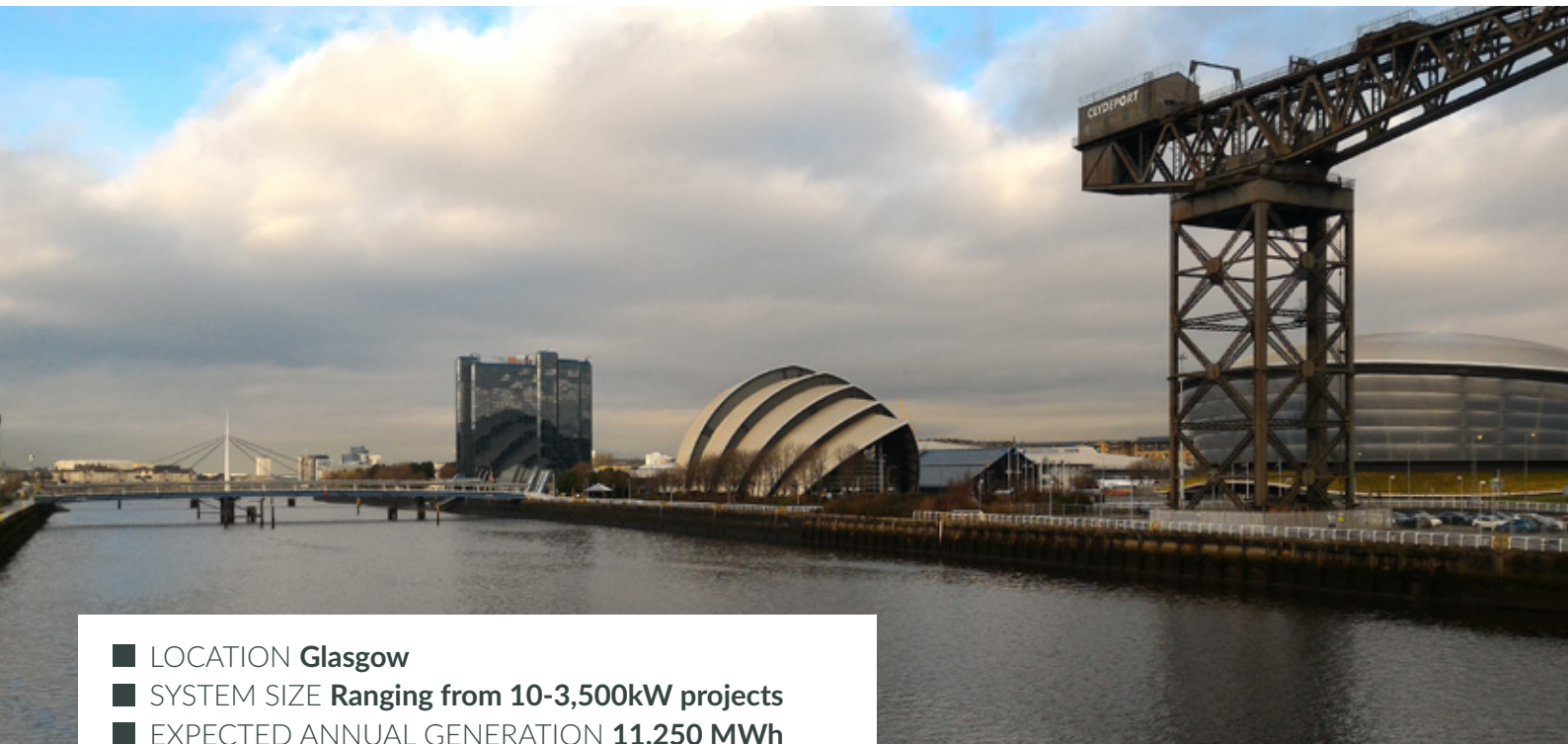


CONSULTANCY

Glasgow City Council Solar and Wind Feasibility Studies



- LOCATION **Glasgow**
- SYSTEM SIZE **Ranging from 10-3,500kW projects**
- EXPECTED ANNUAL GENERATION **11,250 MWh**

Locogen was commissioned to complete feasibility works on behalf of Glasgow City Council on sites across their estate.

Locogen undertook technical, environmental and financial feasibility works for Glasgow City Council (GCC) during 2015 and 2016. Two separate studies were completed; one considered the viability of developing small and medium-scale wind energy projects at 7 council owned sites across Glasgow, the other examined the opportunity for development of 13 ground mounted solar arrays on dis-used land owned by GCC.

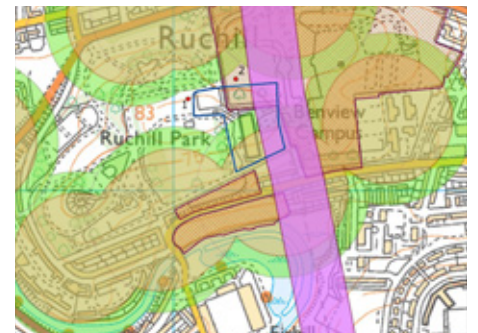
This feasibility study built upon works already undertaken by GCC as part of their Future City Glasgow Project. The aim of this development was to reduce fuel poverty through the provision of lower cost electricity, improve electricity security of supply through provision of a local source of energy generation, generate an alternative revenue stream for GCC and contribute towards Glasgow's target of a 30% reduction in CO2 emissions by 2020.

The assessment included the following works for each site:

- Available space and future plans
- Planning considerations and key issues
- Grid connection (both in relation to behind the meter and export)
- Consideration of available resource, energy yield and potential losses
- Breakdown of full development, capital and operational costs
- Financial assessment including sensitivity analyses
- Development risk register
- Future recommendations for development

The best identified opportunities included:

- Small (10-15kW) wind turbines to offset the demand for a waste handling site
- Large (2-3MW) wind turbine to connect directly onto grid
- Medium (200kW) solar array on waste ground adjacent to a school
- Large (3.5MW) solar array on brownfield land



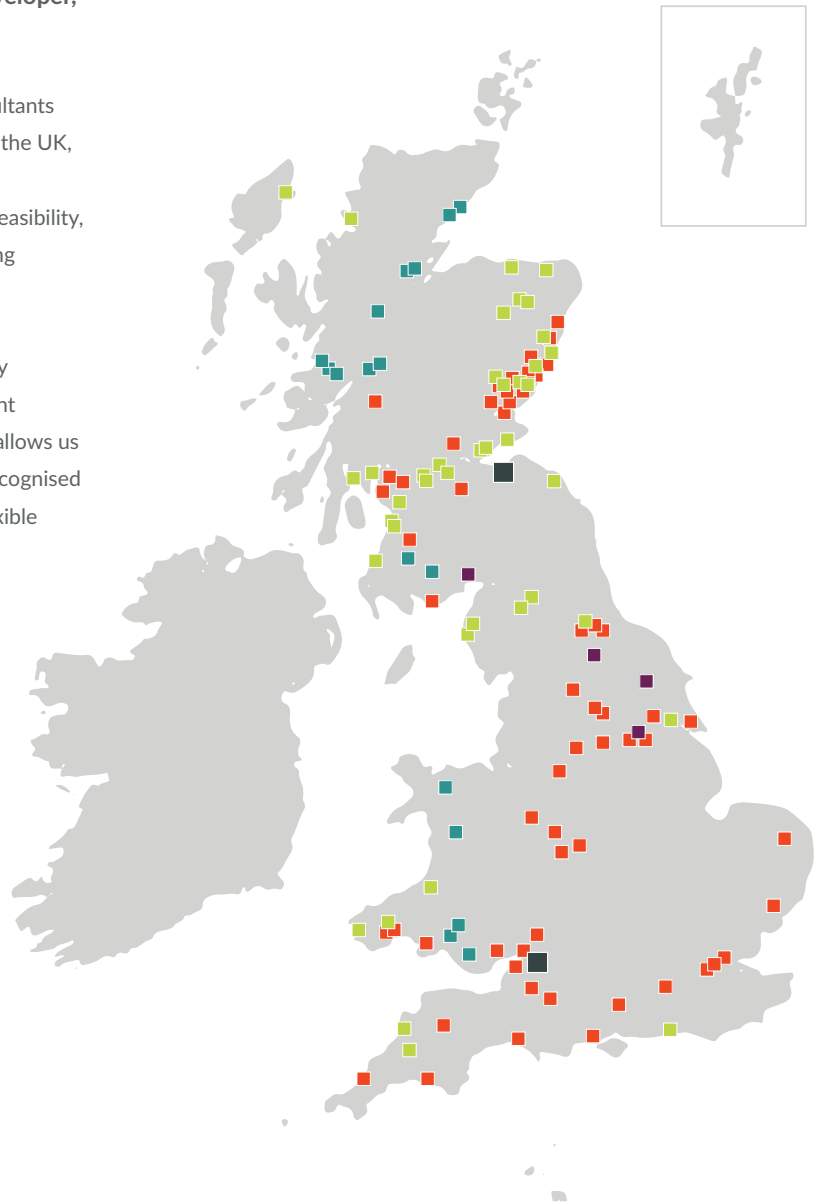
WHY LOCOGEN?

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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