



- LOCATION **Dundonald, Cardenden, Fife, Scotland**
- SYSTEM SIZE **500kW**
- EXPECTED ANNUAL GENERATION **1,818MWh**

**Locogen helped OVHA to deliver a 99.5m wind turbine at Dundonald, which we believe is the only community wind energy project in Scotland to be wholly owned by a housing association.**

Locogen was able to help across the entire project, overcoming many challenges including:

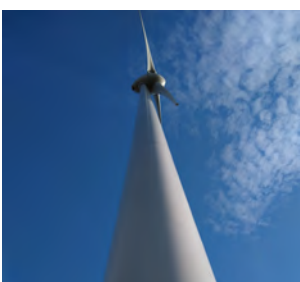
- An original grid connection offer which would have required laying of cable through Cardenden. Detailed discussions with Scottish Power culminated in a more cost effective and practical point of connection being agreed;
- Historic mining works in the area that led to the requirement for a piled foundation;
- Property issues leading to less than optimal route to site and significant requirement for off-site works to allow for delivery of the turbine components;
- Working around the significant local utilities of this built-up area;
- Turbine delivery being complicated by the new Queensferry crossing works;
- Project financials being adversely impacted by the reduced FiT tariff levels and slide in the post-Brexit exchange rates; and
- Delays in achieving the property agreements for the site.

With so many obstacles to overcome, project timelines tightened considerably and achieving the required FiT commissioning deadlines became more challenging. Thankfully, however, the team of OVHA proved to be extremely determined, and this focus, coupled with guidance and support from Locogen, ensured those deadlines were met.

Andrew Saunders, CEO of the Ore Valley Group, said: "Seeing the commencement of electricity generation from our wind turbine was an exciting moment in what has been a long and eventful journey. We appreciate the enthusiasm, hard work and expertise provided by Locogen throughout this time and we look forward to continuing to generate renewable energy and utilising the income generated, to enhance community initiatives and support the development of sustainable social enterprise in the area."

Since commissioning in March 2017, the turbine's performance has exceeded expectations in terms of both generation achieved and revenue secured, which has directly contributed to OVHA's exciting programme of low carbon projects.

OVHA have installed 720kW of solar across 360 houses to provide cheap and clean energy to their tenants. The association has also installed the first two electric vehicle charge points in Cardenden and taken delivery of the first electric vehicles for their own fleet. This commitment to a low carbon future is admirable and wouldn't be possible without revenues from the successful wind turbine project at Dundonald. This was even recognised at industry level when the Dundonald wind turbine was awarded with the 'Best Community Project' Award at the Scottish Green Energy Awards in 2018.



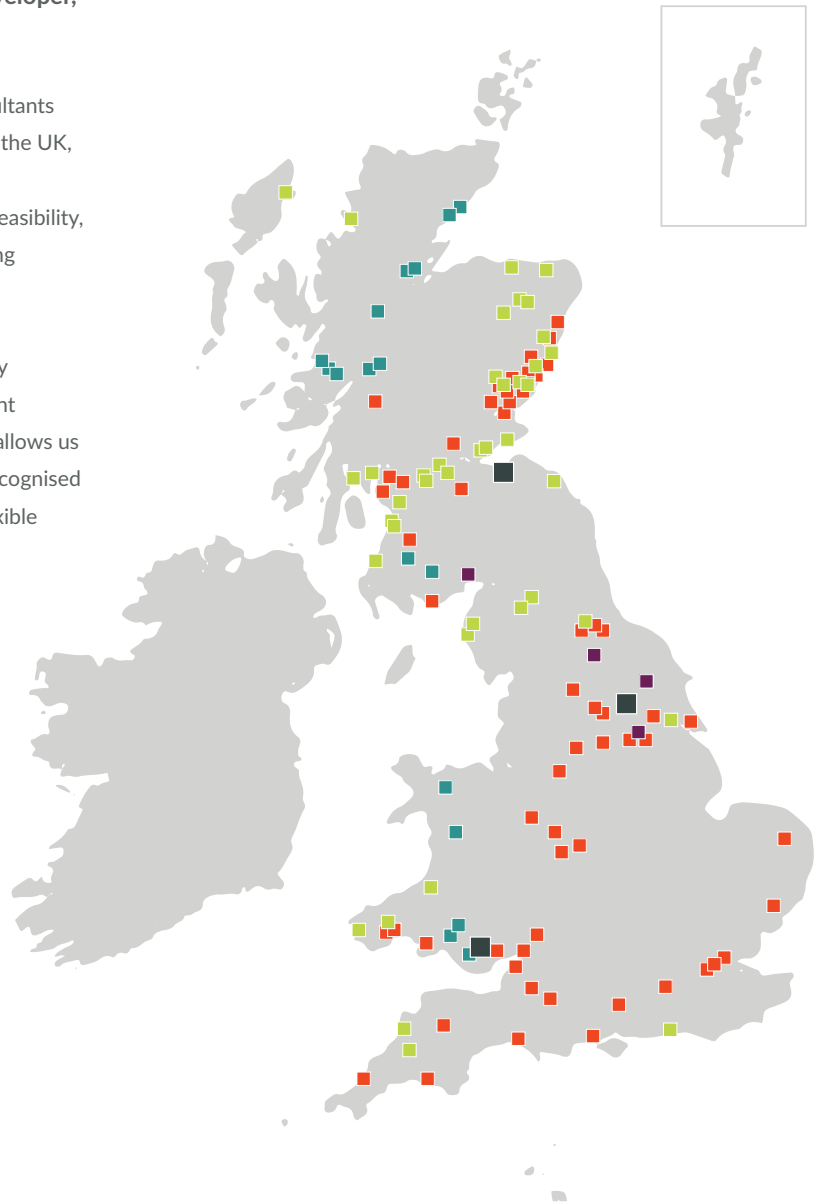
# WHY LOCOGEN?

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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