

# WIND

Bespoke Community Development Company  
Greencraig Community Wind Turbine



- LOCATION **Lionthorn, Falkirk**
- SYSTEM SIZE **900kW**
- EXPECTED ANNUAL GENERATION **2,860MWh**

Locogen, alongside project partners, helped Bespoke Community Development Company over almost 10 years to develop a 900kW EWT turbine in Lionthorn, Falkirk.

Bespoke Community Development Company (Bespoke CDC) is a community owned and operated organisation in Falkirk. Founded in 2011, Bespoke's mission is to engage the community with the great outdoors - whether that be on foot, bike or horseback - for purposes of health, recreation and learning.

The community group first had the idea of a wind turbine development in 2012. They approached the Scottish Government's Community and Renewable Energy Scheme (CARES) for funding and were within the first tranche of applications for the scheme. Luckily, they benefitted from the development grant and loan funding to pursue the project. However, it wasn't quite that simple.

The Greencraig community wind turbine in Lionthorn had to successfully overcome seemingly endless obstacles during the 8+ years it took to develop. The challenges included:

- 5 iterations in planning since 2012. The development was subject to many reductions to the Feed-in Tariff (FiT) incentive which meant that

the size of the turbine had to be continually increased to make the project financially feasible.

- Restructuring the Community Interest Company (CIC) formed by Locogen, Green Cat Renewables and Bespoke CDC to finance the project and spread economic risk. The structure stands as 40% Locogen, 40% Green Cat Renewables and 20% Bespoke.
- Reaching the final FiT deadline in March 2019.
- Adhering to COVID-19 restrictions during construction.

The wind turbine was finally commissioned on Thursday 08/04/2021 as a 900kW EWT marking the culmination of an almost decade-long journey to achieve this initial aim. Over its lifetime, it will help them achieve their mission by providing up to £1.2m in community benefit payments which can be used to develop and maintain off-road paths and trails to provide green travel for individuals and families within the Falkirk area. Furthermore, it will generate ~55.4GWh of renewable electricity, offsetting >15K tonnes of CO2. Annually, that equates to approx. 2860MWh - enough to power 715 homes.



Michael Matheson, MSP for Falkirk West and Cabinet Secretary for Net Zero, Energy and Transport formally opened the turbine by saying:

*"I know the Greencraig Wind Turbine will be of great benefit to the local community for years to come, and ultimately help contribute to Scotland meeting climate change targets."*

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# 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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