



- LOCATION **Dowhill Farm, South Ayrshire, Scotland**
- SYSTEM SIZE **500kW**
- EXPECTED ANNUAL GENERATION **1,870,000 kWh**

Locogen created a joint venture company with the landowner to develop a medium-scale wind project at Dowhill Farm in South Ayrshire. Different scales of turbine were considered, with a 500kW development being chosen as optimal.

Locogen carried out all consultation and planning work with the local authority (South Ayrshire Council) to secure consent for a 77m-tall 500kW turbine. Twelve months of wind monitoring had already been completed at the farm, demonstrating an excellent wind resource.

Through ongoing discussions with Scottish Power, the project secured an excellent point of connection on the 11kV line running through the farm.

An Enercon E48 turbine was constructed at the site in late 2013 and has been operational since the start of 2014.

Locogen arranged finance for the project's construction on behalf of the partnership and provided a turnkey design and build management service to oversee the process from start to finish.

On completion of the construction phase, responsibility for the project was passed to Locogen's in-house Asset Management Team. This has ensured an excellent start to the venture, with project availability in the first year exceeding 97%, a rate significantly above initial estimates.



"Locogen proved to be a very good partner in taking forward this wind project. Their strong understanding of planning and technical considerations allowed us to realise the full potential of the site by maximising the scale of the turbine consented. This put us in the best position going forward to construction and operation."

Jay Crawford, Business Owner

Locogen's Consenting and Technical Services Team have an excellent track record in taking wind projects from initial feasibility right through to achieving planning consent. They then discharge conditions and work closely with our Engineering Team to take developments on to commissioning and operation, providing a turnkey construction project management service.

We also have an Asset Management Team who remotely monitor operational turbines daily to ensure they are working efficiently, complete all maintenance co-ordination and operational administration, and ensure regulatory compliance. A list of some of our projects is provided below. Please contact us if you would like further information.

PROJECTS

Name	Size (kW)	Location	Role	Date
Dubton	500	Angus	Feasibility, consenting, procurement, construction PM	2016
Milton of Fisherie	4600	Aberdeenshire	Procurement, construction PM	2016
Cnoc Cailliche	500	Aberdeenshire	Feasibility, consenting, procurement, construction PM	2016
Greenmyres	500	Aberdeenshire	Consenting, procurement, construction PM	2016
Kirkton	6900	Aberdeenshire	Procurement, construction PM	2016
Ley Farm	500	Moray	Consenting, procurement, construction PM	2016
Bellstane	500	North Lanarkshire	Feasibility, consenting, procurement, construction PM	2015
Castlerigg	500	Cumbria	Procurement, construction PM	2015
East Drums	500	Angus	Feasibility, consenting, procurement, construction PM	2015
Harmeston	500	Pembrokeshire	Procurement, construction PM	2015
Hillhead of Ascurry	500	Angus	Feasibility, consenting, procurement, construction PM	2015
Hospital Shields	450	Aberdeenshire	Consenting, procurement, construction PM	2015
Hunday	500	Cumbria	Procurement, construction PM	2015
Priestside	500	Inverclyde	Procurement, construction PM	2015
South Lasts	500	Aberdeenshire	Procurement, construction PM	2015
South Lasts II	500	Aberdeenshire	Feasibility, consenting, procurement, construction PM	2015
Wester Plymuir	500	East Renfrewshire	Feasibility, consenting, procurement, construction PM	2015
Wheedlemont	500	Aberdeenshire	Feasibility, consenting, procurement, construction PM	2015
Blackhouse	500	Scottish Borders	Feasibility, consenting, procurement, construction PM	2014
Creed	330	Isle of Lewis	Consenting, construction PM	2014
Dowhill	500	South Ayrshire	Feasibility, consenting, procurement, construction PM	2014
East Memus	400	Angus	Feasibility, consenting, procurement, construction PM	2014
Glenhead	500	Falkirk	Feasibility, consenting, procurement, construction PM	2014
High Mathernock	500	Inverclyde	Procurement, construction PM	2014
Beacon & Princes Gate	1000	Pembrokeshire	Feasibility, consenting, procurement, construction PM	2014
Tanhill	250	South Lanarkshire	Feasibility, consenting, procurement, construction PM	2014
Wheatrig	500	North Ayrshire	Procurement, construction PM	2014
White Top	500	Angus	Feasibility, consenting, procurement, construction PM	2014
Wellgreen	500	South Lanarkshire	Consenting, construction PM	2013
Benthead	330	North Ayrshire	Feasibility, consenting, procurement, construction PM	2012
Pickerton	500	Angus	Feasibility, consenting, procurement, construction PM	2012

