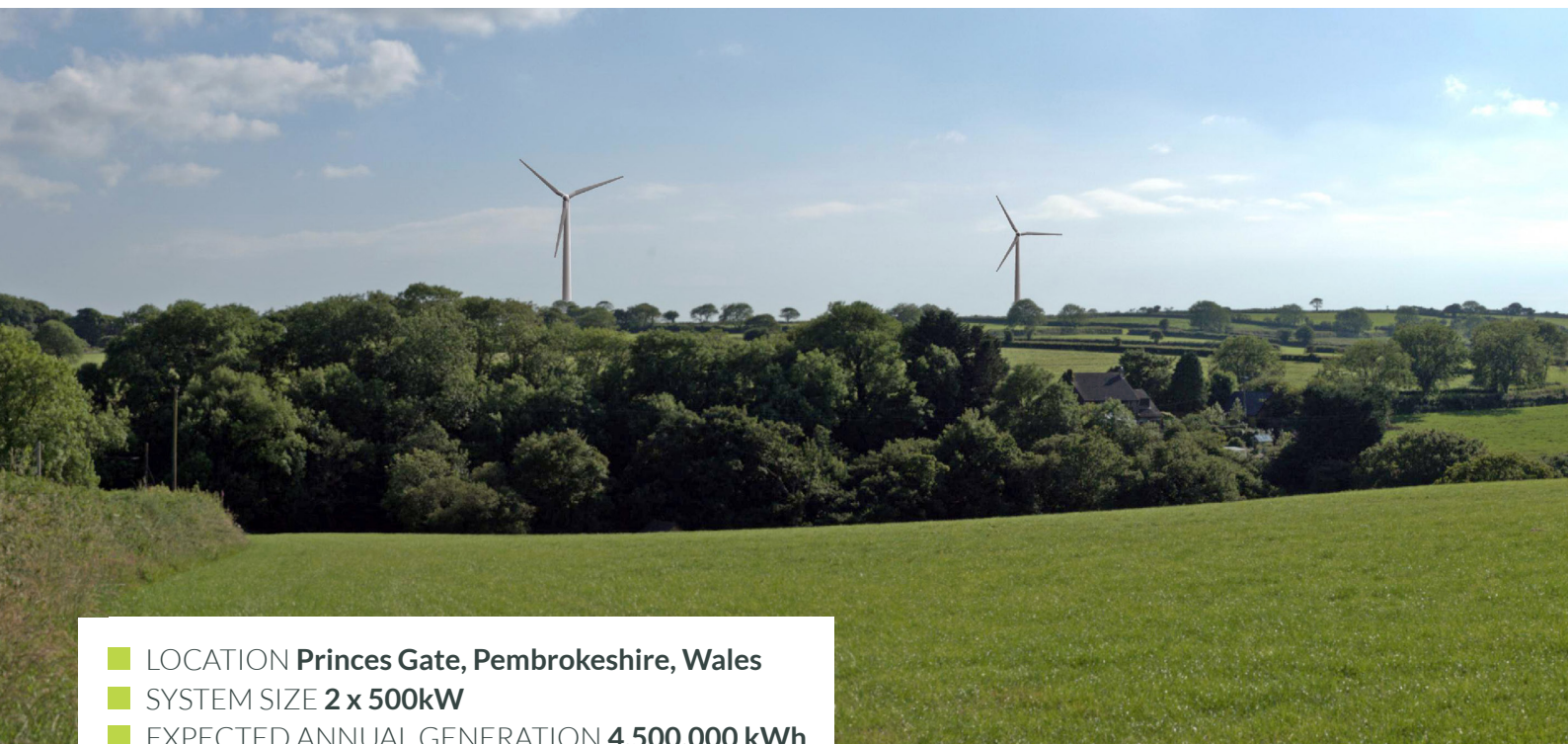


WIND

PRINCES GATE SPRING WATER



- LOCATION **Princes Gate, Pembrokeshire, Wales**
- SYSTEM SIZE **2 x 500kW**
- EXPECTED ANNUAL GENERATION **4,500,000 kWh**

Princes Gate Spring Water Ltd is situated on an organic farm in Pembrokeshire, South Wales. Twenty years ago the farm owners started selling bottled spring water from the site and the company has grown to be one of the largest sellers of bottled water in the UK.

Locogen were commissioned through Carbon Trust Wales to investigate the potential for a medium-scale wind energy project at the site to offset the company's significant electricity demand. Different scales of turbine were considered, the preferred option being a development of two 500kW turbines.

Following completion of screening and scoping works with all project stakeholders, Locogen managed the full planning procedure, involving detailed environmental assessments. These included a noise monitoring survey and associated modelling, a full landscape and visual impact assessment, archaeology surveys, cumulative impact assessments, ecological surveys and transport studies.

As planning progressed Locogen also managed an in-depth wind monitoring programme, leasing a 50m monitoring mast to ensure the available wind resource was well understood.

Locogen also undertook the necessary grid works for the turbines to ensure the most cost-effective connection solution was secured.

Finally, Locogen project-managed the procurement, contractual and construction process. Work began onsite in late 2013; the two Enercon E53 turbines were commissioned and began operation in spring 2014.



"From start to finish I felt wholly confident in the strength of Locogen's expertise as they took the lead with gusto. They were at all times proficient and professional and all critical deadlines were met with ease. I deeply appreciate their guiding me through what was new territory, and my knowledge base has increased enormously as a result."

David Jones, Managing Director

Locogen – Edinburgh Office
Locogen – Cardiff Office
Locogen – York Office
Locogen – Dijon Office

Mitchell House, 5 Mitchell Street, Edinburgh EH6 7BD
Cardiff Gate Business Park, Malthouse Avenue, Cardiff CF23 8RU
Popeshead Court Offices, Peter Lane, York YO1 8SU
8 Rue Du 19 Mars 1962, 21600 Dijon, Longvic, France

Tel. +44 (0)131 555 4745
Tel. +44 (0)2920 789031
Tel. +44 (0)1904 406 865
Tel. +33 (0)7836 67148

www.locogen.com
info@locogen.com

Find us on



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

