

SOLAR PV

KIRKTON OF MONIKIE FARM



- LOCATION **Kirkton of Monikie, Angus, Scotland**
- SYSTEM SIZE **50kWp**
- EXPECTED ANNUAL GENERATION **39,500 kWh**

Kirkton of Monikie is a large arable farm in Angus, producing potatoes and cereals for the food and drinks industry. The Fairlie family, having previously employed Loco2gen to install an EWT 500kW wind turbine on their farm, were keen to take advantage of solar PV technology to further reduce their energy consumption and safeguard against future electricity price rises.

With wind turbines either operating or in planning at a number of their other sites, the owners decided to pursue a solar installation at Kirkton of Monikie as a lower-risk option to diversify their farming activities, boost their environmental performance and secure a long-term income from the Feed-in Tariff (FiT).

After completing an energy yield and financial assessment of the site, Loco2gen designed and installed a 200-panel roof-mounted array.

The system consists of market-leading REC 250W panels and SMA inverters. These were chosen for their high yield in the UK climate and the long warranties and performance guarantees provided.

The solar array produces electricity for use in the farm's cold stores, with any surplus exported to the National Grid and used locally.



"Loco2gen provided a turnkey service and delivered on time and to budget. So far the system has performed to expectations and we are delighted with the end result. Loco2gen have been working with our family for several years, and have always provided accurate, professional and honest advice. I would wholeheartedly recommend them to other farmers looking into renewables."

Ian and James Fairlie, Owners

Locogen's team has several years' experience in the feasibility, design, installation, commissioning and operation of commercial solar PV schemes. We have completed installations throughout the UK for a range of agricultural, retail, industrial, manufacturing and public sector clients, working on a wide variety of pitched and flat roof types.

We have in-house consenting, design and installation teams as well as an Asset Management Team who can remotely monitor operational systems on a daily basis to ensure they are working efficiently. A list of some of our installations is provided below. Please contact us if you would like any advice on solar PV at your site.

COMPLETED SOLAR PV INSTALLATIONS

Completed	Name	Size (KWp)	Location
2010	Glasgow University	120	Glasgow
2011	Dowhill Farm	50	Ayrshire
2011	Princes Gate Spring Water	50	Pembrokeshire
2014 & 2015	Auchrennie Farm	150	Angus
2014	West Mains of Colliston	100	Angus
2014	West Balmirer Farm	50	Angus
2014	Kirkton of Monikie Farm	50	Dundee
2014	Newton of Boysack Farm	82	Angus
2014	Dubton Farm	100	Angus
2014	Easter Denhead Farm	50	Perthshire
2014	North Mains of Turin	50	Angus
2014	Myreton of Claverhouse	30	Angus
2014	Panlathry Mill	50	Angus
2014	Myrtle Grange Farm	46	North Yorkshire
2014	Newlands Farm	50	North Yorkshire
2014	Slade Farm	50	Angus
2014	Backboath Farm	50	Angus
2014	East Idvies Farm	50	Angus
2014 & 2015	M&Co – several UK retail stores	800	UK-wide
2014	Mains of Fordoun	30	Aberdeenshire
2014	Drumsleed Farm	30	Aberdeenshire
2014	Sootywells Farm	50	Aberdeenshire
2014	Mains of Luther	45	Aberdeenshire
2014	West Herdhill Farm	50	Angus
2014	West Mains	30	Perth

Completed	Name	Size (KWp)	Location
2014	Newhouse of Glamis	45	Angus
2015	Lochlea Farm	30	Ayrshire
2015	Cairnfold Farm	50	Aberdeenshire
2015	Westerton of Pittarrow	50	Aberdeenshire
2015	Royal Botanic Garden	10	Midlothian
2015	Folly Farm	250	Pembrokeshire
2015	Prestige Leisure	250	West Lothian
2015	Groundwater Lift Trucks	45	Aberdeenshire
2015	Arbuthnott Wood Pellets	30	Aberdeenshire
2015	Cotton of Ovenstone Farm	50	Angus
2015	Sandhall Farm	50	North Yorkshire
2015	South Fornet Farm	30	Aberdeenshire
2015	Prieston Farm	50	Angus
2015	East Mains of Dunnichen	30	Angus
2015	Cotton of Pitkenney	50	Angus
2015	Park Farm	50	East Riding of Yorkshire
2015	Rosefield Farm	50	Perth and Kinross
2015	Smithfield Farm	50	Angus
2015	Monifieth Golf Links	12	Angus
2015	Braeside of Bogfechel	50	Aberdeenshire
2015	The Hangar Shed	45	Aberdeenshire
2015	Pittrichie Farm	50	Aberdeenshire
2015 & 2016	JJ Food Service Limited – 2 sites	500	Kent and Greater London
2016	Fletcherfield Farm	50	Angus
2016	Pluckerston Farm	136	Angus

