

# SOLAR PV AUCHRENNIE FARM



- LOCATION **Auchrennie Farm, Angus, Scotland**
- SYSTEM SIZE **145.34kWp**
- EXPECTED ANNUAL GENERATION **130,500kWh**

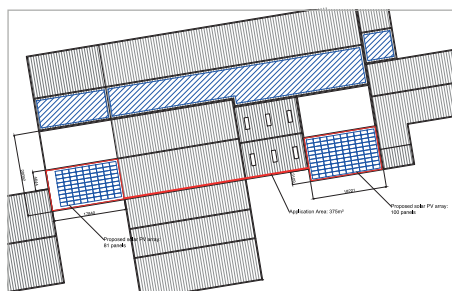
Auchrennie Farm, near Carnoustie, has been growing soft fruit for over 50 years along with potatoes, broccoli, cauliflower, barley and wheat. The Gray family were keen to invest in solar energy at the site to reduce their carbon impact and offset the large electricity costs from their cold storage and processing operations.

With wind turbines either operating or in planning at a number of their other sites, the owners decided to pursue a solar system at Auchrennie Farm as a lower-risk option to 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 378-panel roof-mounted array in 2014. A further 181 panels were then installed in 2015, taking the total system size to 145.34kWp.

The system consists of high-performance REC 260PE panels connected to the grid through two different meter points via industry-leading SMA inverters.

Loco2gen provided a turnkey service for the project, managing the works from initial concept right through to full commissioning and FiT registration. The 559 panels are split into two systems, each supplying electricity to different areas of the farm. The site has cold storage and packaging lines, as well as the main company office, all of which now benefit from the renewable electricity generated by the solar PV system.



*"After Loco2gen had worked so efficiently on 500kW wind turbine planning applications at two of our other farms, I was pleased to have the opportunity to work with them on a solar project at Auchrennie. Their advice was comprehensive at the outset and they continued to work with the same efficiency throughout the installation and handover process. I am delighted with the end result."*

Andrew Gray, Owner

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

