

CASE STUDY

Newlands Farm & Grange Farm

Agriculture

Reading, Berkshire



At A Glance

- 137 kWp solar system
- 305 Solar panels
- Installed in May 2025
- Energy saving: 136,000 kWh/year
- CO2 saving: 34.4 Tonnes / year
- Turnkey managed & installed



The Building

Our client owns multiple cattle farms across Berkshire together with wider agricultural activities. With energy prices fluctuating and usage continuing to rise, they wanted a stable, sustainable power source that aligned with their long-term operational goals. In total four farms were assessed (27 buildings) and two agricultural units were identified as the most suitable given the generation profile and existing infrastructure.

The Solution

Absolar designed and installed two tailored rooftop solar PV systems, making optimal use of available roof space while ensuring minimal disruption. The combined systems are projected to generate approximately 136,000 kWh per year, with preferential export rates of 15p/kWh to ensure continued performance even when not using the power.

The Benefits

- Energy savings of 136,055 kWh per year
- Payback periods of 4 years and 9 months
- Carbon reduction of 34.4 Tonnes per year
- Energy independency of 80%+

What's Next

After seeing the benefits and our consultative led approach, the farm owner has instructed Absolar to design and install additional units with solar energy systems across the remaining farms.