



# CRAMBLE CROSS FARM CASE STUDY



✓ Client	✓ Sector	✓ Technology	✓ System Size
Cramble Cross Farm	Farms	Solar PV	160kWp
✓ Estimated Annual Output	✓ Payback Period	✓ 25 Year Net Profit	✓ Annual Carbon Savings
145,993 kWh	5.8 Years	£ 606,885	67,075 kg CO <sub>2</sub> /year

Cramble Cross Farm in North Yorkshire upgraded its energy infrastructure with a 160 kWp agricultural solar PV system paired with a 160 kWh battery storage solution to better meet high daytime electricity demands and reduce reliance on the grid. Excel Energy designed and installed the system using DMEGC solar modules, GoodWe inverters, TESVOLT batteries and a GridImp controller to optimise generation, storage and energy management.

The installation produces an estimated 145,993 kWh of clean electricity annually, increasing on-site consumption and delivering carbon savings of 67,075 kg CO<sub>2</sub> per year. Improved self-consumption has lowered operational energy costs and reduced exposure to energy price fluctuations.

This project demonstrates Excel Energy's capability to deliver effective solar and battery solutions for agricultural businesses seeking greater energy efficiency and long-term cost savings.

**Learn More**

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