



# CHURCH FARM OXHILL CASE STUDY



<input checked="" type="checkbox"/> Client	<input checked="" type="checkbox"/> Sector	<input checked="" type="checkbox"/> Technology	<input checked="" type="checkbox"/> System Size
Church Farm, Oxbury	Farms	Solar PV	76.38 kwp
<input checked="" type="checkbox"/> Estimated Annual Output	<input checked="" type="checkbox"/> Payback Period	<input checked="" type="checkbox"/> 25 Year Net Profit	<input checked="" type="checkbox"/> Annual Carbon Savings
77,096 kWh	7.9 Years	£195,975.94	35,207 kg/Year

Church Farm in Oxbury partnered with [Excel Energy](#) to install an advanced 76.38 kWp solar PV system with integrated battery storage to reduce energy costs, increase self-sufficiency and support operational resilience. The installation included high-efficiency Longi solar panels, SolarEdge and Sigenergy inverters, and a 48.4 kWh battery system to store and dispatch power when needed.

The system is estimated to generate 77,096 kWh of clean electricity annually, with 49,628 kWh consumed on-site and 27,468 kWh exported to the grid. It delivers a level of self-sufficiency of 76.3% and contributes to annual carbon savings of 35,207 kg of CO<sub>2</sub>. Over its lifetime the project is projected to provide a 25-year net profit of £195,975.94 and has a payback period of 7.9 years, reflecting strong financial and environmental performance.

**Learn More**

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