

QUIDELORTHO CASE STUDY



✔ Client	✔ Sector	✔ Technology	✔ System Size
QuidelOrtho	Pharmaceutical Manufacturing	Solar PV	1.58MW
✔ Estimated Annual Output	✔ Payback Period	✔ 25 Year Net Profit	✔ Annual Carbon Savings
1.41 GWh	2.8 Years	£ 20,572,264	272.16 T

QuidelOrtho, a pharmaceutical manufacturing company based in Pencoed, Bridgend (South Wales), partnered with Excel Energy to upgrade its energy infrastructure with a 1.58MW Solar PV rooftop system. The project is designed to generate an estimated 1.41 GWh per year, deliver a 2.8-year payback, and achieve 25-year net profit of £20,572,264, alongside 272.16 tonnes of annual carbon savings.

Excel Energy delivered a turnkey solution, starting with a detailed site survey to assess roof space, mounting requirements, AC connections, cable runs, and energy demand. The final design used Premium REC TwinPeak 410Wp modules with SolarEdge Synergy inverters and S1000 SolarEdge optimisers. Installation took 52 days for rooftop panels and 16 days for the AC inverter works. The system was then commissioned in line with G99/G100 requirements, followed by staff training on the monitoring platform and performance apps.

Learn More

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QuidelOrtho