

CASE STUDY FICEP UK



Shawton Energy was approached by Ficep UK to install a comprehensive solar energy system at their facility in Castleford, Wakefield.

Ficep UK, a prominent player in the manufacturing and steel fabrication industry, faced the challenge of rising energy costs and the need to reduce its carbon footprint. Operating a large-scale facility, the company's energy consumption was substantial, making it imperative to explore sustainable and cost-effective alternatives.

THE PROCESS

Shawton Energy conducted a detailed assessment of Ficep UK's energy consumption patterns, facility layout, and available roof space for solar panel installation. Based on this analysis, a tailored solar energy solution was designed and executed.

Shawton Energy installed a high-quality 50.02 kWp rooftop Solar PV system comprising of 127 Trina Solar 295 Panels, 127 SolarEdge P505 Optimisers and a SolarEdge Technologies 33kW inverter.

THE RESULT

By harnessing solar power, they have significantly reduced their reliance on traditional energy sources, resulting in a substantial decrease in carbon emissions. They will save more than £10,000 annually in electricity bills, as well as half the amount of dependency on the National Grid.

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KEY FACTS



Installation time:
Two weeks



Carbon saved annually:
14,841 kg



Annual energy generation:
49,487kWh



Array output:
50.02 kWp



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