

DENBY POTTERY

DERBYSHIRE



G&H

PROJECT TITLE

Denby Pottery Solar PV

SERVICES

Mechanical and Electrical

CLIENT

YLEM

DURATION

Sep 2023 - Nov 2023



HEADLINES

- Denby Pottery reduces CO2 emissions by 475 tonnes per year
- Bespoke Solar PV solution produces Denby Pottery's own energy
- Significant energy cost savings

PROJECT OVERVIEW

As part of its sustainability strategy, market-leading pottery and ceramics manufacturer, Denby Pottery, needed to increase energy efficiency, decrease operational costs, and further reduce its impact on the environment.

THE CHALLENGE

Creating its high-quality stoneware products at its factory in Derbyshire requires a great deal of energy. As a result, Denby Pottery was significantly impacted by rising energy prices.

A long-term solution was required by Denby Pottery to reduce its operational costs, further improve its sustainability and protect customers from price increases.



SOLUTION

G&H played a leading role in delivering a new Solar PV solution for Denby Pottery. Our key responsibilities were to:

- Design, supply and install high voltage (HV) and low voltage (LV) systems including the RM Unit and transformers;
- Liaise with the National Grid regarding the G100 compliant export limitation process (meaning all electricity must be utilised on the premises by the embedded generator and not spill on to the network);
- Manage the turnkey project at every stage, which included enlisting and overseeing a 20-strong team, from the supervisors and National Electricity Regulation Scheme (NERS) accredited HV contractors, to the civil contractors and G&H electricians;
- Appointed and managed Engineered Systems (Electrical) Ltd to deliver the grid connections;
- Ensure health and safety across the site, including the bridleway that crossed the area.

Work commenced in September 2023, and despite adverse weather conditions, the project was completed on time in November 2023.

"Throughout the entire project, from design to installation, G&H were efficient, easy to collaborate with and always ensured the quality of work was delivered to a high standard. They are problem-solvers and have clear processes which ensured the project was delivered on time for the client."

Sophie Lamb, Head of Solar at YLEM ENERGY



THE RESULTS

In partnership with YLEM Energy, G&H delivered a bespoke 2MW Solar PV solution. The ground-mounted DMEGC Solar 550W modules, which are located on land in close proximity to the factory, will reduce Denby Pottery's CO2 emissions by a staggering 475 tonnes per annum and deliver significant energy cost savings as the pottery manufacturer can now generate its own power

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