



Geo Green Power

High Performance Manufacturing Meets High-Impact Solar

Beverston Engineering found the perfect blend of funding to ensure long-term savings

About **Beverston Engineering**

Based in Knowsley, Beverston Engineering supply high-quality precision machined parts to safety-critical sectors including aerospace, oil and gas, nuclear, and pharmaceutical manufacturing.

Operating in sectors where reliability, compliance, and sustainability are non-negotiable, Beverston Engineering is under constant pressure to maintain high operational standards while managing rising energy costs and reducing its environmental impact.



**View the
drone footage**



System Size: 202kWp



Annual Output: 182,000kWh



Annual CO2 Saving: 35 tonnes



Annual Energy Bill Saving: £30,000



Cost Saving Over 30 Years: £1,500,000

"Genuinely good company. Really good company. The whole process from start to finish has been excellent."

Beverston Engineering
Rod Wah, Managing Director

The Challenge

Beverston Engineering operates a large number of CNC machines that consume significant amounts of electricity, resulting in very high energy usage and exposure to rising electricity costs.

At the same time, customer expectations around sustainability were increasing rapidly. In particular, the aerospace industry is fiercely insistent on working with suppliers that can demonstrate clear environmental responsibility.

For Beverston Engineering, sustainability was no longer a “nice to have” – it was becoming critical to maintaining customer relationships and future competitiveness.

The Solution

Identifying the right technology

An appointed energy consultant identified solar as the best fit for the business due to its reliability, scalability, and alignment with Beverston’s operational profile. Beverston already had a ground source heat pump installed, and LED lighting throughout the site, but solar was going to offer the real savings.

Funding the project

To support the investment, Beverston Engineering secured partial Government funding from the Low Carbon Eco Innovatory Scheme via Liverpool John Moores University. This required the

business to obtain multiple quotes and put each supplier through a rigorous evaluation process, scoring them against several strict criteria.

In addition, Beverston Engineering secured a specialist low-interest sustainability loan from Handelsbanken, who were keen to support a project focused on reducing carbon emissions.

The Results

Even on cloudy and dull days, the system is saving Beverston Engineering approximately 20% approximately equivalent to **£30,000 saving per year**.

Beverston were particularly impressed with how quickly the benefits became visible through the SolarEdge monitoring app, providing real-time insight into energy generation and cost savings.



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