

UKSPF ATC Semitec



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Cheshire West
and Chester

BACKGROUND

ATC Semitec Ltd is a leading supplier of thermal components, specialising in temperature sensors and control solutions for industrial and commercial applications. The company operates from a facility designed to support both industrial operations and administrative functions. The site includes manufacturing areas, office spaces, storage facilities, and staff amenities such as a canteen. The building is equipped with double-glazed windows but has limited thermal efficiency. Energy consumption is largely driven by heating needs, with seasonal variations indicating higher demand in winter. The company currently relies on Economy 7 storage heaters and has two air conditioning units for cooling.

WHAT WE DID

Groundwork conducted an energy efficiency audit for ATC Semitec Ltd, identifying opportunities to reduce operational costs and carbon emissions. Our approach included:

- Assessing site energy consumption patterns and thermal efficiency.
- Evaluating the feasibility of solar PV installation and infrared radiators.
- Calculating potential cost savings and emissions reductions.
- Supporting the business in planning for the recommended energy-saving measures.

OUTCOMES

With our support, ATC Semitec successfully installed a 13.2 kWp solar PV system on their roof, leading to:

- £2,301 in annual cost savings
- 1.3 tonnes of CO₂e emissions reduced per year
- Identified additional opportunities for emissions reduction through installation of infrared panels.



SUSTAINABLE
BUSINESS