



PETERS & MAY CASE STUDY

PROJECT OVERVIEW

Peters & May is a global yacht and boat transport specialist based in Eastleigh, Hampshire. To reduce operating costs and strengthen its environmental credentials, the company partnered with DES Renewable Energy to install a large-scale rooftop solar PV system with EV charging that generates clean electricity onsite, lowers energy bills, and supports its long-term sustainability goals. Peters & May commissioned DES Renewable Energy to install a 110.67 kWp solar PV system across its industrial roof. The installation comprised 186 x 595W panels connected to a SolaX X3-FTH-100K inverter delivering 100kW of inverter power, together with five SolaX smart EV chargers. The project aimed to reduce electricity costs, lower carbon emissions, and enhance long-term financial sustainability.

PROJECT DETAILS

Company Name: Peters & May Ltd
Location: 9 Goodwood Road, Eastleigh,
Hampshire, SO50 4NT
Solar System Capacity: 110.67 kWp
Estimated Annual Generation: 88,120 kWh
Installation Type: Pitched industrial roof solar
panels with EV charging
Project Timeline: Delivered May 2025, from
survey to commissioning





OBJECTIVES

Reduce electricity costs

- Reduce electricity costs and dependence on grid energy
- Improve environmental sustainability by reducing carbon footprint
- Achieve long-term operational savings and financial returns
- Demonstrate responsible energy practices to customers, staff and stakeholders



BESPOKE ASSESSMENT AND DESIGN

INITIAL ASSESSMENT

DES Renewable Energy conducted a comprehensive assessment of roof space, structural considerations, sun exposure, and interlocking constraints. This ensured optimal placement and system sizing to maximise energy production and long-term reliability.

PERMITTING AND APPROVALS

DES Renewable Energy ensured compliance with building regulations, electrical standards, and industry best practices. All necessary permits and approvals were obtained to guarantee a fully compliant and safe installation.



SYSTEM DESIGN

The system was designed with 186 x 595W panels across the pitched industrial roof. Power conversion is handled by a SolaX X3-FTH-100K inverter providing 100kW of inverter capacity. The installation also includes five SolaX smart EV chargers - three 7.2kW single-phase and two 22kW three-phase units - integrated with the site's electrical infrastructure for efficient energy management.



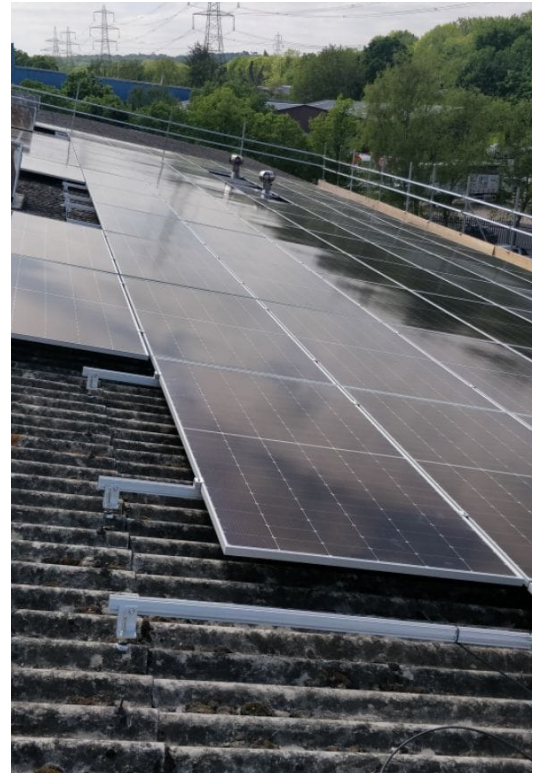
INSTALLATION AND COMPLETION

INSTALLATION AND COMMISSIONING

The installation was carried out with minimal disruption to the day-to-day site operations. Panels were securely mounted, connected to the inverter, and integrated with the existing electrical system. Comprehensive testing and commissioning verified the system's performance, functionality, and safety.

WHERE DES RENEWABLE ENERGY ADDS VALUE:

From initial assessment to completed commissioning, DES Renewable Energy provides a turnkey solution that ensures optimal energy generation, regulatory compliance, and sustainable operational savings.



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AT A GLANCE

- 186 x 595W panels on a pitched industrial roof
- 110.67 kWp total system capacity
- SolaX X3-FTH-100K inverter (100kW of inverter power)
- 5 x SolaX smart EV chargers (3 x 7.2kW + 2 x 22kW)
- 88,120 kWh of clean energy generated per year
- Reduced electricity costs and carbon footprint



BENEFITS

Energy Cost Reduction: Lower electricity bills and reduced reliance on grid energy

Environmental Impact: Around 88,120 kWh of clean energy each year, saving an estimated 18 tonnes of CO₂ annually and supporting sustainability goals

Financial Returns: Savings on energy costs contribute to long-term financial sustainability

Public Image: Demonstrates responsible energy practices to customers, staff and stakeholders



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OUR ACCREDITATIONS

We are MCS Certified which guarantees that our installations have been designed, installed, and commissioned to the highest standard using only MCS certified products.

We are also NAPIT Certified which confirms that we are certified to install and self-certify all of our electrical installations. We also comply with the Renewable Energy Consumer Code (RECC).



Electrical Safety
Register