

CASE STUDY

Commercial Solar & EV Charger

Aspect Group Services HQ, Norfolk



WHERE
Aspect Group Services,
Chestnut Drive, Norfolk



WHAT
Solar and EV Chargers



WHEN
August 2023



TIME
1.5 Week

PROJECT OVERVIEW

Aspect Group Services have a dedication to reaching their NET ZERO targets and to that end we assessed our energy bills/usage and designed a system to help reduce our energy costs, reduce our carbon foot print and make a massive step towards the way to our NET ZERO pledge.

SYSTEM OVERVIEW

The system comprised of high-efficiency Longi HiMo5 405W All Black Mono solar panel monocrystalline modules, paired with Huawei SUN2000 15KTL-M2 3ph inverter. A total of 41 panels were installed, estimated to produce 14,198 kWh annually. Additionally, two Zappi electric vehicle chargers were installed, providing fast AC charging with features such as 3G/4G sim connectivity and smart charging capabilities



Consumption

Electricity consumed in the property each year

30000 kWh



Generation

Electricity generated by the PV array each year

14198 kWh



Self consumption

Proportion of PV generation used in the property

53 %



Independence

Proportion of electricity consumption provided by PV

25 %



Import / Export

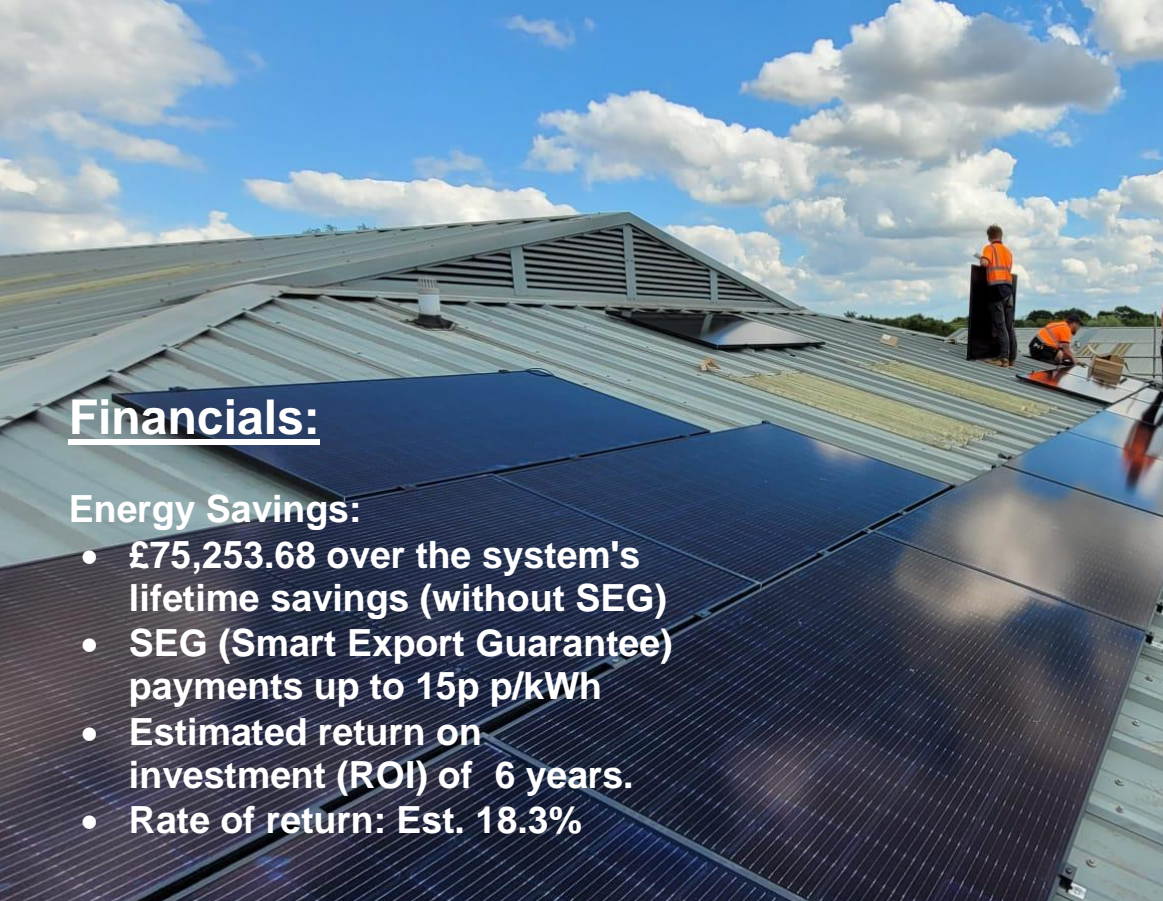
Electricity import / export each year from the property

22594 / 6671 kWh



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Company Registration Number: 2529333 VAT Registration Number: 255765669



332
MWh

6
years

£53489.
15

18.3
%

Financials:

Energy Savings:

- £75,253.68 over the system's lifetime savings (without SEG)
- SEG (Smart Export Guarantee) payments up to 15p p/kWh
- Estimated return on investment (ROI) of 6 years.
- Rate of return: Est. 18.3%

SEG = ADDED VALUE

The Smart Export Guarantee (SEG) is a government scheme that pays homes and businesses for any excess electricity they generate through renewable technologies like solar panels and exporting to the grid. Certain Suppliers are providing up to 15p per unit of electricity the system generates that is exported back to the grid. The savings coupled with the SEG payments now make it more financially beneficial than ever for commercial Solar projects to make the leap to their NET ZERO targets!

EV CHARGER GRANTS

- The OZEV EV chargepoint grant provides up to £350 off the cost of purchasing and installing a work place or rented residential dwelling.
- The OZEV EV chargepoint grant provides up to £350 off the cost of purchasing and installing a home charging point.
- Aspect will guide you through the process and claiming the grant.
- The Office for Zero Emission Vehicles (Ozev) funding for electric vehicle (EV) chargers will end the **31st of March 2025** – enquire now to avoid the rush!



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