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CASE STUDY 4 - OYSTERFLEET HOTEL

Commercial solar panels case study of an install of a Solar Panel System of 116 Bluesun 54 cell 425W (50kWp) Solar Panels at the Oysterfleet Hotel & Pub in Canvey Island, Essex.

INTRODUCTION

The Oysterfleet is a family-run hotel with 40 rooms, a pub, and a restaurant in the town centre of Canvey Island in Essex, UK. The hotel wanted to reduce its energy costs and CO2 footprint by investing in solar panels. The Oysterfleet contacted NXTGEN Energy, a leading solar panel installer based in Essex, UK.

NXTGEN Energy assessed the Oysterfleet hotel's roof space and energy usage and proposed a 50MW solar PV system with 116 Bluesun 54 cell 425w Solar Panels with a rated efficiency of 21.25% and 3 Solis S5-GC25K Solar Hybrid Inverters. The system would cover about 50% of the hotel's electricity demand and save about 20 tonnes of CO2 emissions per year.

The solar panel system would also generate income from the Smart Export Guarantee (SEG), a scheme that pays small-scale generators for exporting surplus electricity to the Grid.

NXTGEN Energy installed the system in early 2023 and connected it to the National Grid. The system has been performing well and generating savings for the Oysterfleet Hotel ever since. The hotel is also considering installing electric vehicle (EV) chargers on site to cater to EV-owning guests and staff in the near future.



CONCLUSION

The Oysterfleet Hotel is an example of how commercial solar panels can help hotels (and pubs and restaurants) cut energy costs, reduce carbon emissions, and attract eco-conscious customers. NXTGEN Energy was able to provide a tailored solar energy solution that met the Oysterfleet hotel's needs and expectations.