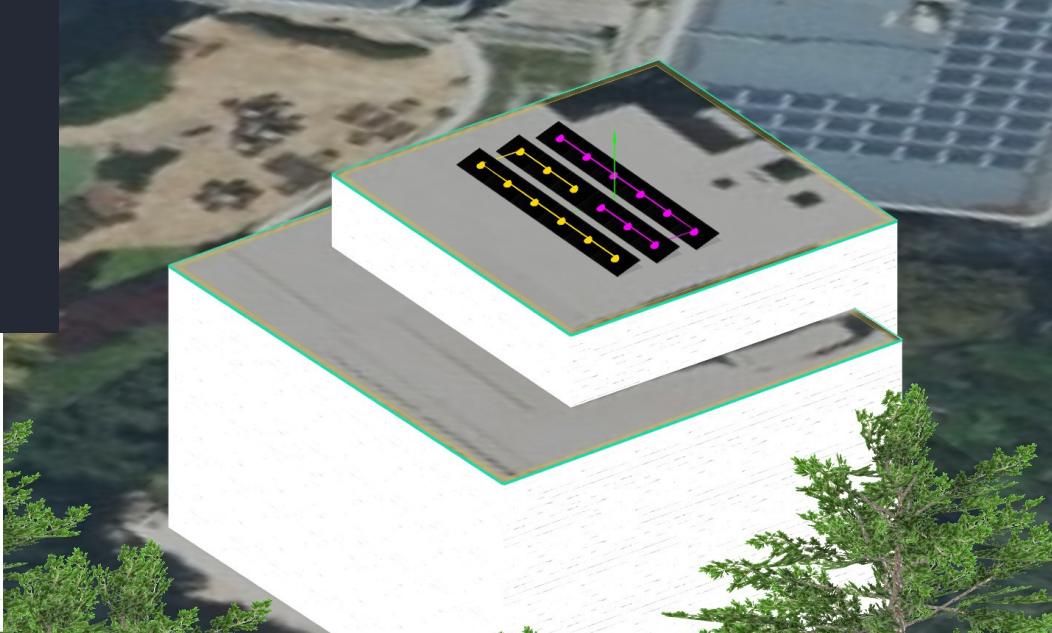
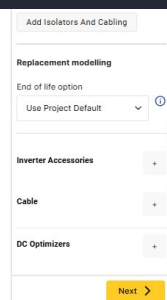




GLENMOUNT VIEW APARTMENTS CASE STUDY

PROJECT OVERVIEW

Glenmount View Apartments is a residential apartment development in Poole, Dorset. To reduce its running costs and strengthen its environmental credentials, it partnered with DES Renewable Energy to install a solar PV system with battery storage that generates clean electricity onsite, lowers energy bills, and supports its long-term sustainability goals.

Glenmount View Apartments commissioned DES Renewable Energy to install a 8.19 kWp solar PV system. The installation comprised 18 x 455W Aiko panels connected to a Tesla Powerwall 3 (integrated inverter and battery), paired with Tesla Powerwall 3 storage. The project aimed to reduce electricity costs, lower carbon emissions, and enhance long-term financial sustainability.

PROJECT DETAILS

Company Name: Glenmount View Apartments

Location: Glenmount Drive, Poole, BH14 0HL

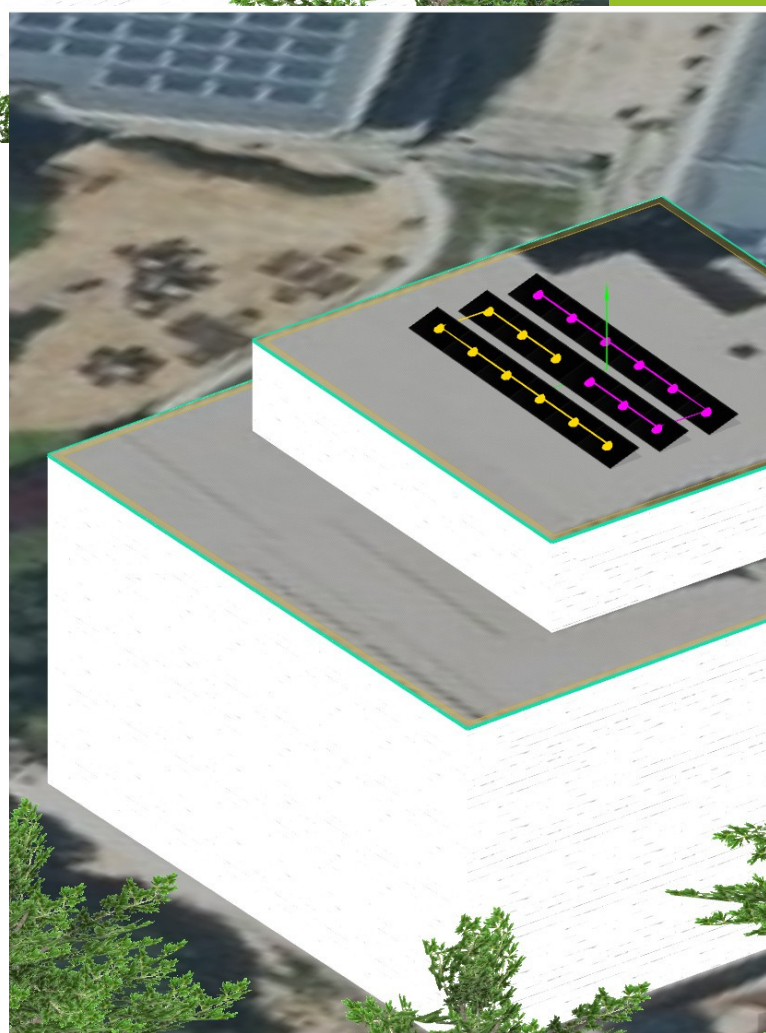
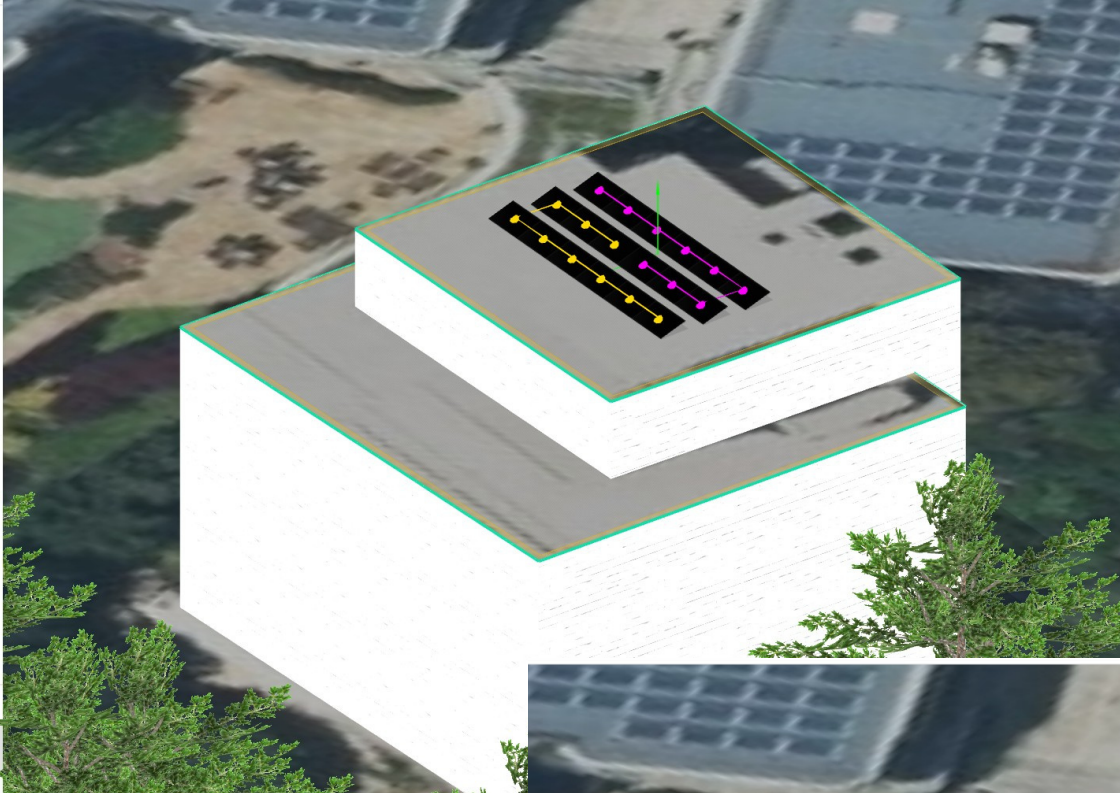
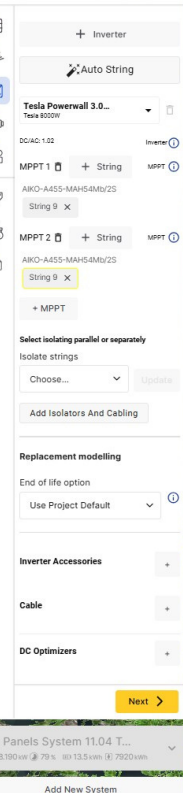
Solar System Capacity: 8.19 kWp

Estimated Annual Generation: 7781 kWh

Installation Type: Rooftop solar panels with
battery storage

Project Timeline: Designed and specified by DES
Renewable Energy





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 residents, staff and
visitors



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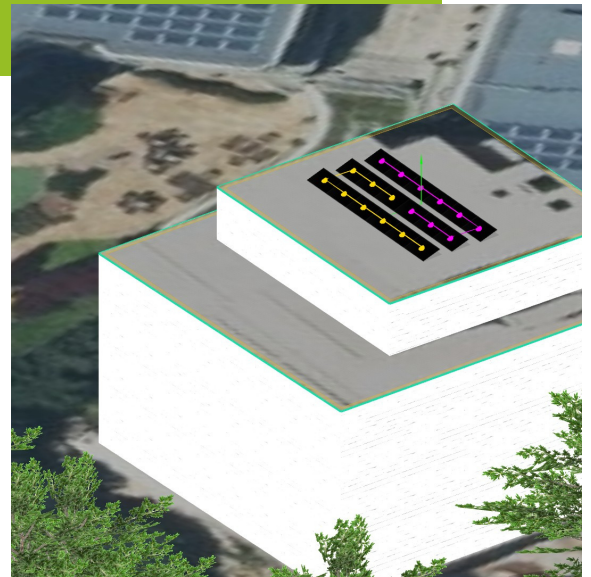
BESPOKE ASSESSMENT AND DESIGN

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.

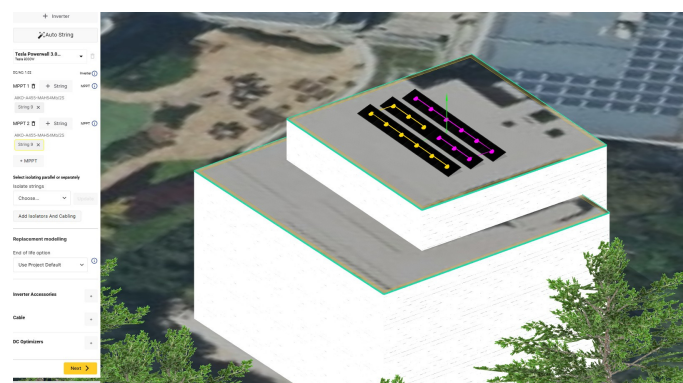
PERMITTING AND APPROVALS

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 18 x 455W Aiko panels. Power conversion is handled by a Tesla Powerwall 3 (integrated inverter and battery), paired with Tesla Powerwall 3 storage to maximise self-consumption. The system integrates with the site's existing electrical infrastructure for efficient energy management.



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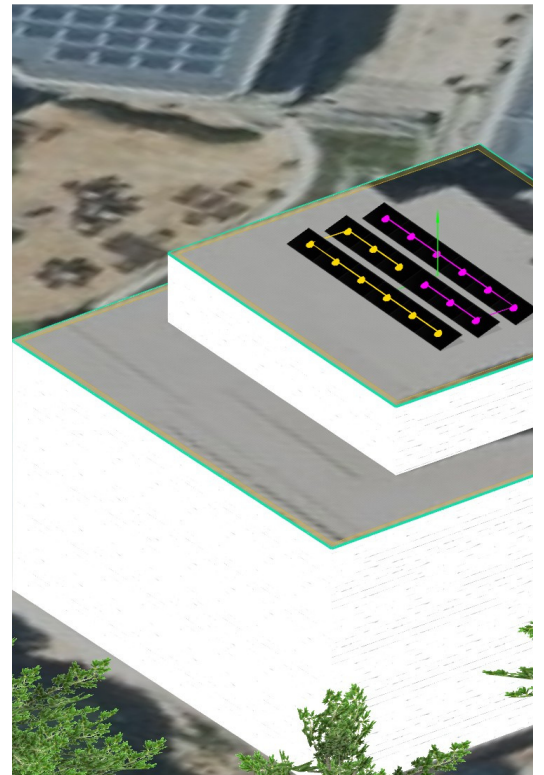
INSTALLATION AND COMPLETION

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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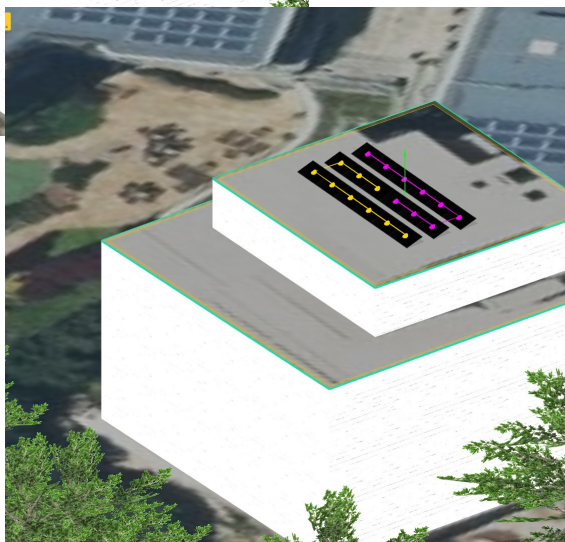
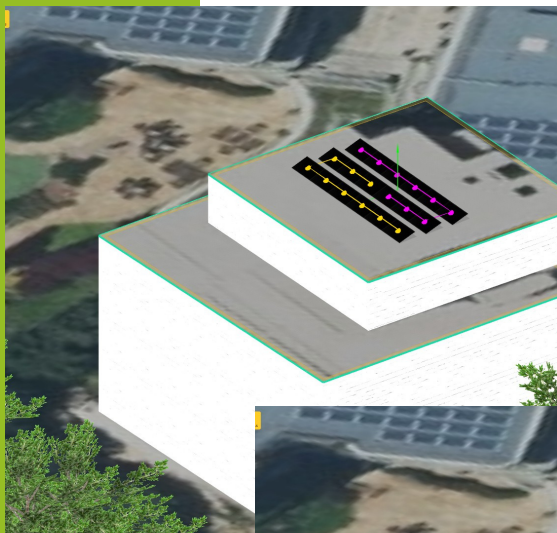
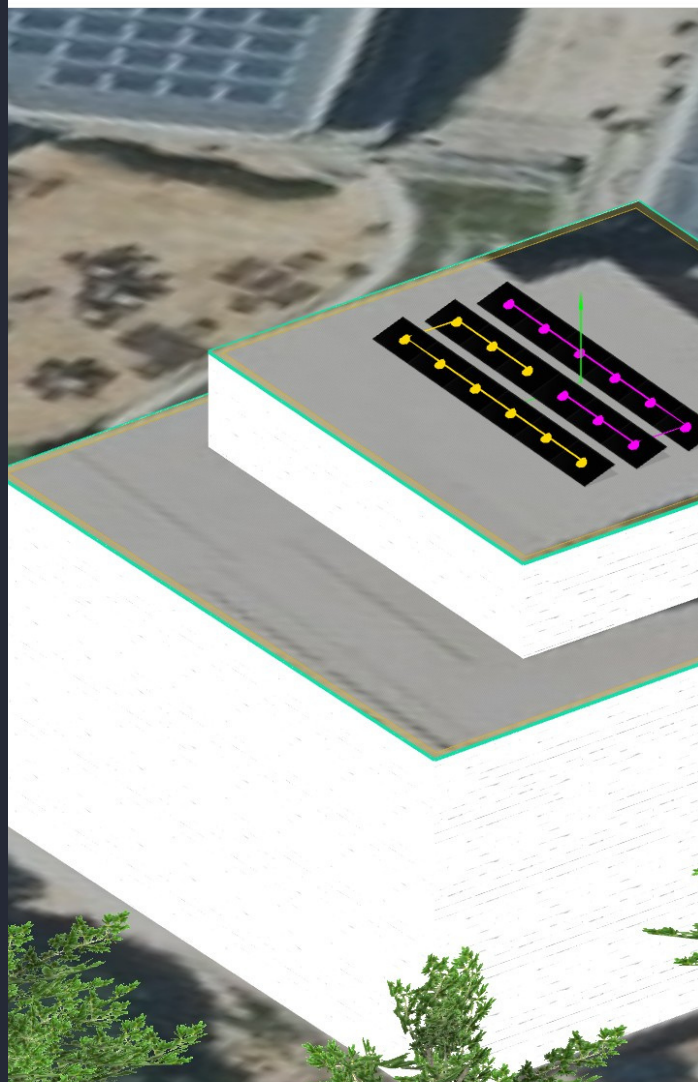
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AT A GLANCE

- 18 x 455W Aiko panels
- 8.19 kWp total system capacity
- a Tesla Powerwall 3 (integrated inverter and battery) with Tesla Powerwall 3 storage
- 7781 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 7781 kWh of clean energy each year, saving an estimated 1.6 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 residents, staff and visitors



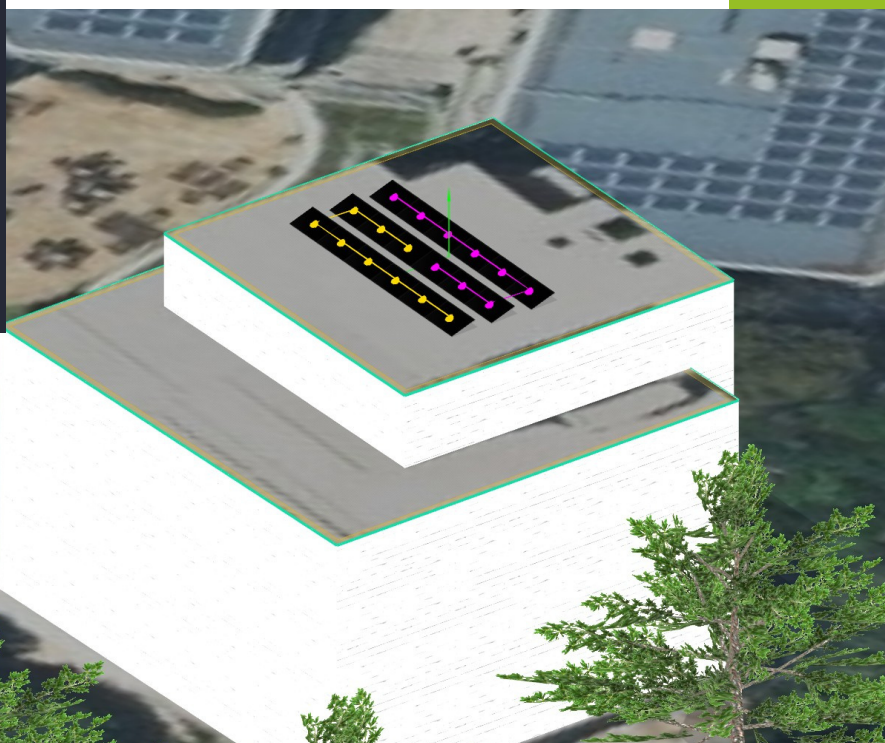
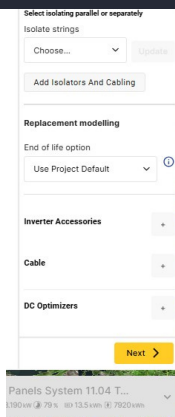
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OUR ACCREDITATIONS

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).

