

## CASE STUDY

# Aquinas College

### Project Background

Aquinas College is a Catholic sixth form college based in Stockport serving over 1800 students over the age of sixteen. Committed to a programme of decarbonisation, the college engaged Energys Group to install Solar PV as part of its Net Zero journey. The project followed a successful upgrade to LED lighting in Phase 1 of the PSDS Decarbonisation Scheme in 2021. After a competitive tender process with over 30 bidders, Energys Group was awarded the contract for its high-quality solution and competitive pricing.

### Solution

Energys Group delivered a turnkey Solar PV solution:

- Full SolarEdge designs and structural roof surveys for both buildings.
- Use of 610 Longi Tier 1 410W panels with SolarEdge inverters and optimisers.
- Customised crane lift access for the main building due to challenging roof access.
- Installation completed during the summer recess to minimise disruption.



### Challenges

Difficult roof access required detailed planning and the development of a bespoke access strategy involving a crane to lift the equipment.

Supply chain risks, including potential disruptions in the Red Sea, were mitigated by pre-purchasing all materials ahead of time.



### Outcome

The project was delivered on time and within budget in August 2023. A total of 252 kWp was installed across both buildings, with all systems performing well. With a 12 months defects liability period, a 25-year panel warranty and 12-year inverter warranty, the client was happy to complete the project without any requirement for ongoing operations and maintenance. If maintenance is required, the client will contact Energys Group reflecting their trust in the quality and expertise of our services.

### Projected impact

<b>Project Value</b>	£275,000
<b>Project Quantum</b>	Solar PV installation on the main building and sports hall.
<b>Solar PV Capacity (kWp)</b>	252 kWp
<b>Project Duration</b>	Jul 23 - Aug 23

Electricity rate is £0.45 per unit.