

Aubrey Allen

Aubrey Allen is a leading supplier of ethically sourced meat and farmhouse cheeses, serving both wholesale and retail customers across the UK. Renowned for its commitment to quality, service, and excellence, Aubrey Allen holds the prestigious Royal Warrant and has proudly supplied the Royal Household with meat and cheese since 2007.

Industry

Food Processing & Manufacturer

Technology

Rooftop Solar PV

Location

Coventry, West Midlands

Overview



SOLAR PANELS INSTALLED

648



ANNUAL CO2 SAVINGS
(TONNES)

51



SYSTEM SIZE (KWP)

275



PAYBACK (YEARS)

3



ANNUAL GENERATION (KWH)

247,860



EQUIVALENT RATE (P/KWH)

3p



The Motivation

Operating as a cold store, Aubrey Allen's fridges run 24/7, leading to substantial energy costs. As part of their Planet Mark certification, they undergo annual carbon emissions audits and continuously seek innovative ways to reduce their environmental footprint. With doing the right thing at the core of their values, they have already implemented multiple initiatives to reach this goal. Keen to explore solar energy as part of their ongoing sustainability journey, they reached out to Ineco.

The Ineco Solution

Roof Remedial Works

To ensure optimal performance, the solar system was designed to maximise energy generation given the site's high electricity consumption. A thorough roof condition survey was conducted, and necessary repairs were made, including cut-edge corrosion treatment. Skylights were insulated and sheeted over to create additional space for solar panels and reduce solar heat gain in the roof void above the chillers, ultimately lowering costs.

Enhanced Safety and Efficiency

The system is equipped with SolarEdge module-level optimisation, ensuring safety and maximising efficiency. A firefighter gateway was also installed to automatically shut down the system in case of emergency.

Electrical Upgrades and Integration

The site's main electrical panel was upgraded to enable additional points of connection for the solar system. Additionally, the solar system was seamlessly integrated with the site's backup generator, ensuring a reliable and efficient power supply.

The Benefits

Aubrey Allen's new solar system provides electricity at an equivalent cost of just 3p/kWh—an 89% discount compared to their 2023 electricity rates leading to a £75k annual electricity saving. The sheeting over the skylights has also reduced the loft void temperature by 10°C, leading to further energy savings as air conditioning units operate more efficiently. This solar investment marks another milestone in their mission to do the right thing for the planet.



Ineco successfully delivered a project installing 648 panels on our factory. There were no issues, they were supportive before, during and after the project and there were no surprises. They really know their stuff. The words I would use to describe Ineco and those working within it are reliable, trustworthy and honest. If you are wanting to install Solar Panels, Ineco should be on your call list."

Jo Craner, Finance Director, Aubrey Allen