



A Design Made for Renewable Energy

At the heart of Kings Cross, this commercial building was designed with tunnels integrated into the pitched roofline. This mimics the Network Rail tunnels below, whilst providing a generous 36000 sq ft. One of the main drivers for the buildings diagonal design, was to improve the orientation for heat gain as well as complimenting the flow of the surrounding architecture.

Challenge

To adhere to the buildings target of a BREEM Outstanding rating, Ablaze were appointed to design and install the solar PV system to the roof space totaling 164 square metres.

Solution

Partnering with Redworx, Ablaze installed 102 high efficiency solar panels which provide 28 kilowatt (kW) of power. The diagonal design and south facing orientation of the panels ensured a generous yield, translating as a 10 % reduction in the buildings electrical consumption.

Client Testimonial

"Ablaze recently completed an installation over at Kings Cross, Q1 consisting of 102 PV panels located on a ridged, metallic roof. Their pre-construction information was issued promptly and any queries raised by the client were answered straight away. The install team was polite, helpful, and very knowledgeable. All in all a good install was done by the Ablaze team."

Mark Tilyard—PM (Redworx, Michael Lonsdale Group)

SOLAR PROJECT SPOTLIGHT

Date Installed	2020
Location	London
Installation Type	Pitched-Roof Mounted
Size	28 kWp
Annual Production	25,781 kWh
Annual CO Savings	13,638kg
Electricity Offset	10% of total electricity consumption