



Photo credit: GB MET College/Ablaze

### Combining Solar Energy and Education

Brighton MET College, a further education provision in East Sussex underwent significant redevelopment to its existing footprint. The facility provides opportunities for young people and those looking to retrain, as well as a new Centre for Creative/Digital Industries.

#### Challenge

To design, supply and install a holistic photovoltaic (PV) system to help reduce carbon emissions as per the energy consultants scope of works. The PV array is stipulated at 34kWp to deliver the anticipated output of 30MWh as well as meeting all necessary requirements of OFGEM for all electricity generated.

#### Solution

Ablaze GES installed 126 high efficiency solar panels mounted on an aluminium self-ballasted flat roof system which provide 34 kilowatt (kW) of power. A generous yield of 30,000 kWh/yr is generated by the south facing direction of the panels, translating as a 20% reduction in the college's energy consumption.

#### Client Testimonial

*"As a repeat customer of Ablaze, I would happily continue to involve them in future projects due to confidence in the quality of their products and installation, commercial competitiveness, and trustworthiness to deliver on time. Customer focus is obviously at the forefront of their business, from procurement through to handover and this is demonstrated by the obliging and supportive professional manner by which they approach their projects. Design challenges are commonplace on MEP projects, Ablaze is always on hand to assist with their expertise and drive, to adapt to the project needs, and never to capitalise where change is required."*



Ross Magrath—PM (Mitie)

### SOLAR PROJECT SPOTLIGHT

Date Installed	2020
Location	East Sussex
Installation Type	Roof Mounted
Size	34kWp
Annual Production	30,000kWh
Annual CO <sub>2</sub> Savings	15570 kg
Electricity Offset	20% of total electricity consumption
Expected Payback	4 years based on electricity costs and available subsidies.