



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 foot-print. 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**

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