

HETHEL ENGINEERING CENTRE



BAUDER BUILDING BOARD

Project:	Hethel Engineering Centre
Location:	Hethel, Norfolk
Roof Area:	2,500m ²
Specifier:	NPS Group
Approved Contractor:	Voland Asphaltte



APPLIED PRODUCTS

- 160 PV modules were installed with an expected energy generation of 44.23 megawatt-hours and a kilowatt peak of 47.20

Hethel Engineering Centre supports high performance engineering companies located throughout Norfolk. The original building at the centre had been operating at maximum capacity and they urgently required a new building to satisfy increasing levels of demand. The client wanted the new facility to meet a high level of sustainability, achieving a BREEAM excellent rating and using key renewable technologies, such as photovoltaics (PV), to minimise its environmental impact.

Bauder's Thermoplan single ply membrane was specified for the new building's 2,500m² roof, as it is not only long lasting but also environmentally friendly, representing a major advancement in synthetic waterproofing technology. Roof areas totalling 500m² were fitted with 160 PV Modules, enabling the centre to generate at least 44.23 mWh of solar power each year and annual CO² savings of 23.40 tonnes. The PV system was installed without any penetration of the waterproofing or roof deck, ensuring the integrity of the roof is completely upheld. The simplicity of the installation also meant that approved contractor, Voland Asphaltte, could install the entire PV array in just one day.

The centre remained operational throughout the works, which caused logistical challenges, however all deliveries were timed as not to conflict with vehicles moving in and out of the facility. The work at HEC was completed on time and to budget, providing the client with an innovative roof that boasts extraordinary environmental credentials.

Karl Manning of NPS Group stated, "Hethel Engineering Centre is a perfect example of a project where outstanding workmanship and top quality products can harmoniously come together to deliver an exceptional, sustainable roofing solution. The Voland team in collaboration with Bauder provided the highest degree of technical support throughout the project, helping us overcome any issues we encountered promptly and efficiently."

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