

SHERINGHAM HIGH SCHOOL



BAUDER BUILDING BOARD

Project:	Sheringham High School
Location:	Sheringham, Norfolk
Roof Area:	1,500m ²
Surveyor:	PCH Associates
Approved Contractor:	RT Roofing
PV Installer:	Joju Solar
Fundraising Specialist:	Energy4All



APPLIED PRODUCTS

- Bauder Total Roof System has a life expectancy in excess of 40 years.
- 150 BauderSOLAR PV modules were fitted, achieving a kilowatt peak of 39.00.

Sheringham High School is a secondary school with academy status located in Norfolk that underwent significant refurbishment to repair a number of its failing roofs. The client wanted the school's campus to act as a benchmark for sustainability and therefore saw this as the perfect opportunity to achieve this with the addition of solar panels.

Working closely with the surveyor PCH Associates, Bauder performed a comprehensive roof evaluation survey to identify the full extent of water ingress being experienced and to confirm the suitability of adding solar. The bespoke Bauder survey report highlighted that many of the roof areas needed to be stripped back to the screed, before being waterproofed with 1,500m² of Bauder's reinforced bitumen system by RT Roofing.

The school then had 150 BauderSOLAR PV modules fitted onto the roof by electrical installer Joju Solar. As a result of this PV install the school will be able to generate at least 34.61 Megawatt Hours of solar power each year, all without any capital expenditure or any disruptions to the school term. Funding for the solar PV array was provided through a community share offer, The Schools' Energy Co-operative, ensuring both the school and the local community benefited financially from the solar installation whilst also providing clean renewable energy.

BAUDER

UNITED KINGDOM

Bauder Limited

70 Landseer Road, Ipswich, Suffolk IP3 0DH, England

T: +44 (0)1473 257671 E: info@bauder.co.uk

bauder.co.uk

IRELAND

Bauder Limited

O'Duffy Centre, Cross Lane, Carrickmacross, Co. Monaghan, Ireland

T: +353 (0)42 9692 333 E: info@bauder.ie

bauder.ie

PROJECT INSIGHT

THE CLIENT

**Andrew Richardson, Executive Headteacher,
Sheringham High School**

Bauder were the perfect choice for our flat roof refurbishment as they offered a high quality solution installed by approved and certified contractors, with a long term guarantee. The inclusion of the PV system provided us with reduced installation costs by twinning the two projects.

The construction was entirely trouble free; Bauder representatives regularly attended to inspect progress and they were totally in-tune with the unique issues presented by a working school environment. We are thrilled with our new roof and PV installation. It has protected teaching spaces for the long term and provided a valuable source of energy saving and potential income. We are committed to carbon reduction and our solar panels and the output display provide a useful tool for teaching and learning.

THE SURVEYOR & PROJECT MANAGER

Darren Clerkin, Deputy Director, PCH Associates

Bauder's team provided us with expert support throughout the project, from the initial roof survey through to the final installation and handover. This collaborative approach helped us to keep the school fully updated with regular progress reports, which along with Bauder's all-inclusive waterproofing and PV guarantee meant that the client was assured that the installation was of the highest quality. From our point of view, another key consideration was the weight loadings; we needed a system that was

both lightweight and non-penetrative, and Bauder's solution delivered just that.

We recommended Energy4All to coordinate the PV element because not only can they deliver a no capital outlay solution, by obtaining funding through The Schools' Energy Co-operative, but they also offer a combination of industry experience, community involvement and ethical investment to provide a package of financial services that meant the client had no administration to undertake.

THE FUNDING SPECIALIST

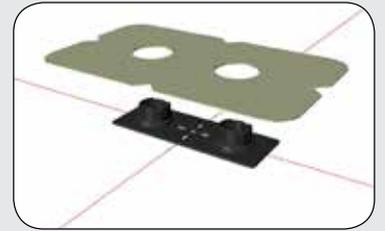
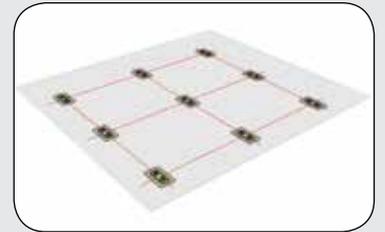
Mike Smyth Chairman, Energy4All

Working in partnership with Bauder to deliver this solar project resulted in a seamless installation process from start to finish from the school's perspective, with everything taken care of on their behalf. The BauderSOLAR PV system is not only lightweight and high quality but it also has excellent energy generation capabilities, which will result in significant cost savings for Sheringham by producing electricity that is cheaper than that off the grid. In addition, because of the co-operative nature of

our social enterprise it means that all profits will subsequently be paid back to the school.

Sheringham's retrofit PV solution not only supports the school's sustainability efforts and provides them with financial benefits, but it also gives our co-operative members an investment opportunity that makes a tangible contribution to the development of renewable energy and the mitigation of climate change.

BauderSOLAR Flat Roof Installation



BAUDER

UNITED KINGDOM

Bauder Limited

70 Landseer Road, Ipswich, Suffolk IP3 0DH, England

T: +44 (0)1473 257671 E: info@bauder.co.uk

bauder.co.uk

IRELAND

Bauder Limited

O'Duffy Centre, Cross Lane, Carrickmacross, Co. Monaghan, Ireland

T: +353 (0)42 9692 333 E: info@bauder.ie

bauder.ie