

11 FREEBOURNES ROAD



BAUDER BUILDING BOARD

Project:	11 Freebournes Road
Location:	Witham, Essex
Roof Size:	5,200m ²
Client:	Essex County Council
Project Manager:	Lambert Smith Hampton
Approved Contractor:	Acclaim Contracts
PV Installer:	CJ Solar

APPLIED PRODUCTS

- PRO F bituminous capping sheet has a life expectancy in excess of 30 years.
- 588 BauderSOLAR PV modules were fitted, achieving a kilowatt-peak of 149.94.



Image courtesy of Essex County Council

A large derelict warehouse located in Witham has undergone major renovation to transform it into a storage centre for Essex County Council that will assist its services and benefit the local community. The refurbishment works were designed and project managed by Lambert Smith Hampton on behalf of the client, who wanted the building to act as a benchmark for sustainability with the roof playing an integral part in achieving this through the addition of solar panels.

Working closely with the client, 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 survey report highlighted that the roof needed to be stripped back to its original deck, before being waterproofed with over 5,200m² of Bauder's reinforced bitumen system by Acclaim Contracts. 588 solar PV modules were then fitted onto the roof by electrical installer CJ Solar, enabling the client to generate at least 134.70 Megawatt Hours of solar power each year.

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Julian Sanchez, Commissioning Delivery Manager for Essex County Council stated, "We actively look for opportunities to implement renewable energy and knew that this storage facility lent itself well to PV retrofit. Our system selection process involved the due diligence you would expect from a local authority and we decided to go with Bauder because of its comprehensive system portfolio that meant we could have a single source supply and all-inclusive guarantee; giving us complete confidence in the roof's performance."