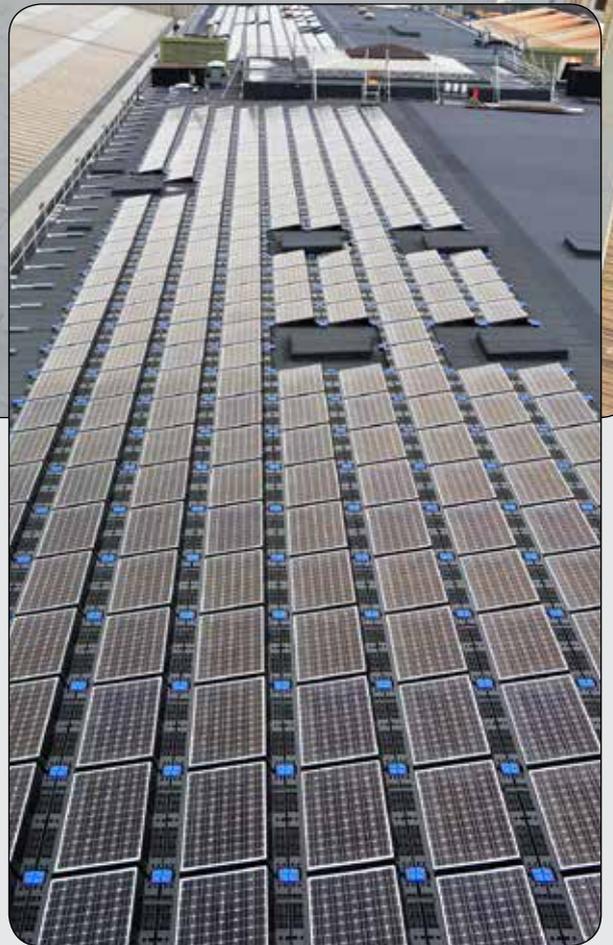


# JCB WORLD HEADQUARTERS



## BAUDER BUILDING BOARD

Project:	JCB World Headquarters
Location:	Rocester
Roof Area:	7,500m <sup>2</sup>
Client:	JCB
Approved Contrator:	NRA Roofing & Flooring
PV Installer:	CJ Solar



## APPLIED PRODUCTS

- Bauder Total Roof System is a premier bituminous system with a life expectancy in excess of 40 years.
- 643 BauderSOLAR PV modules were fitted, achieving 199.33kWp.

JCB's World HQ in Rocester recently completed a major project to improve the integrity of its main office roof, and took the opportunity to reduce the company's overall environmental impact through the addition of a state-of-the-art photovoltaic system at the same time.

Working closely with the client, Bauder developed a bespoke specification package that was designed to maximise the solar output from the available roof space and satisfy all relevant planning conditions. The office roof was waterproofed with over 7,500m<sup>2</sup> of Bauder's premium reinforced bitumen system, BTRS, by approved installer NRA Roofing & Flooring, before having 643 PV modules fitted by CJ Solar; enabling the client to generate at least 160 Megawatt Hours of solar power each year. The PV system also included an integrated power optimiser that allows web-based monitoring of the individual modules and increases output by up to 25%. All roofing works were completed on time and to budget much to the delight of the client who had set strict deadlines in order to meet Feed-in Tariff requirements.

## BAUDER

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# PROJECT INSIGHT

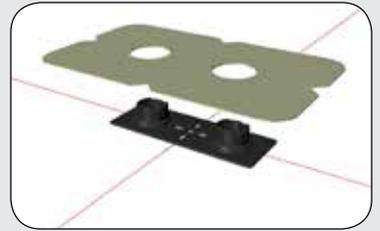
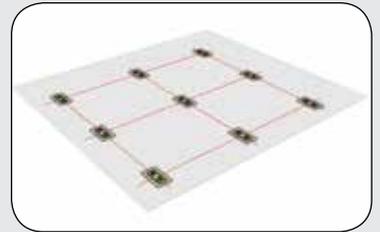
**Jo Stott**  
Group Energy and Environment  
Adviser – JCB

Including renewables in our building portfolio has been an aspiration for JCB for some time, the objective being to use renewable energy to help us achieve our carbon reduction goals. Having the waterproofing replaced on our office roof presented us with the perfect opportunity to realise this long term goal. A fundamental consideration for us was having a PV system that was both lightweight and non-penetrative and Bauder's solution delivered just that. Working with Bauder also meant we could have a single source supply

and all-inclusive guarantee, giving us complete confidence to invest in both the new roofing system and our first UK roof-mounted solar scheme.

This project involved a lot of firsts for us but the whole process went very smoothly thanks to the support of the entire roofing team, and their commitment to working closely with our Site Services team. We have been delighted with the performance of the roofing system.

BauderSOLAR Flat Roof Installation



**Daniel Fletcher**  
Director - NRA Roofing  
& Flooring

Our team worked in close partnership with both the client and Bauder to agree working hours and delivery times, as the products needed to be craned onto the office roof which remained operational throughout. Bauder also provided us with all the relevant design information and enlisted the help of

electrical installer CJ Solar to fit the PV modules while we focused purely on the waterproofing. This expert support was crucial on a large scale project like this, with there being fairly tight deadlines in place and because it was the first ever PV installation we had been involved in.



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