

# Elite Precast Concrete **case study**

Rapid delivery timeline highlights efficiency of Solar project...

For more information or technical advice, contact 01952 588885.

The UK's solar power market is experiencing rapid growth, with capacity expected to increase from 15 gigawatts in 2023 to 43 gigawatts by 2028.



This expansion aligns with the country's ambitious 2035 decarbonisation targets and has led to significant development in solar farms.

Ground-mounted solar panels offer improved efficiency and provide space for grazing animals and wildlife, are a key component of this growth.

A notable example of this development is the SSE Renewables' project at South Littleton in Evesham, where Grupotec Renewables appointed John Russell Digger Hire to install ground-mounted solar panels.



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For this project, Elite Precast supplied over 800 maintenance-free precast reinforced solar panel ballast beams made from C40 concrete, which is fire-resistant.

These bespoke ballast blocks, measuring 300mm x 550mm x 300mm, were manufactured using wet-cast moulds using a rigorous quality management system. The production process included visual inspections and daily cube testing in Elite's in-house laboratory.



Despite a tight 10-week deadline from order receipt to on-site delivery,

Elite Precast successfully met the project's requirements, which enabled Grupotec Renewables to complete the project successfully.

The South Littleton solar farm is designed to generate enough electricity to power approximately 10,000 homes annually, contributing significantly to the UK's renewable energy goals.



Elite Precast Concrete Limited  
Unit O, Halesfield 9  
Telford, Shropshire TF7 4QW  
Tel: 01952 588885  
[www.eliteprecast.co.uk](http://www.eliteprecast.co.uk)