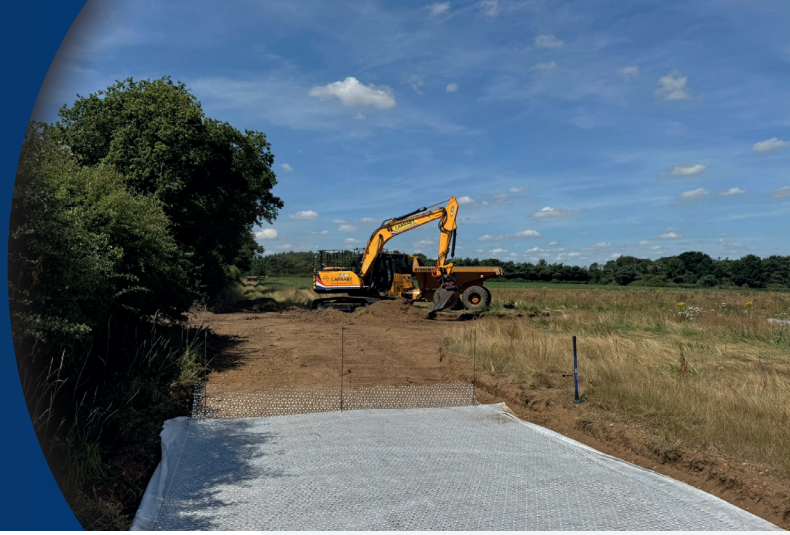
Stabilised access road provides site savings for Norfolk solar plant



Three Bridges Solar Farm (21MW)

Norfolk, UK

CLIENT'S CHALLENGE

The client site had very soft/ poor ground conditions (as low as 2% CBR). This meant the client would have had to spend additional time and money to strengthen the access roads used for the site in order for the roads to be able to take the weight of the vehicles passing over them during construction and later on through operation and maintenance.

CLIENT DRIVERS

Reduce additional cost to strengthen the ground for the access roads and reduce the quantity of material needed to strengthen the ground.

TENSAR SOLUTION

Tensar InterAx geogrid was used to provide a stabilised access road and reduce the amount of aggregate required and number of vehicle deliveries to the site.

Comparison of cross section for non-stabilised vs Tensar geogrid solution

Non-stabilised

Stabilised with Tensar InterAx geogrid

Tensar®
A Division of CMC

PROJECT DETAILS

Application
Access Road | No. 516

Constructed in
2025

Client
Pathfinder Clean Energy (PACE)

Contractor
Carnaby And Son

BENEFITS

- **41% cost savings (£120,253)** compared to non stabilised solution
- **47% time savings (13 days)** compared to non stabilised solution
- **43% carbon savings (47,310 $kgCO_2e$)** reduction of CO_2 construction emissions compared to non Tensar solution
- **Aggregate savings** compared to non stabilised solution
- **Reduction of construction traffic**

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