




Tensor Mechanically Stabilised Layer (MSL) stabilising the working platform for piling rig operation



Working Platforms Nº 450

Cloud HQ

📍 Didcot, Oxfordshire

CONSTRUCTED IN 2022

Tensor helps save time, money and the environment

Tensor were approached to provide a Mechanically Stabilised Layer (MSL) for ground stabilisation, to construct a working platform for piling rig operation.

Benefits

**£350,000 (48%)
estimated reduction**
in construction cost

**70 days (58%)
estimated reduction**
in construction time

**140,000kg CO2e (53%)
estimated reduction**
in environmental cost

CLIENT'S CHALLENGE

The challenge was to provide a cost effective engineered solution using recycled material that was generated from within the total site area of 44,000m². The design proposal was also required to carry all construction traffic operating across the site.

TENSAR SOLUTION

Following the guidance provided by the Building Research Establishment (BRE) on the use of alternative working platform design methods, Tensor adopted the "T-Value" approach to rationalise the platform thickness, accommodating the request to use recycled material.

The resulting mechanically stabilised platform was constructed using a Class 6N material, placed to the specific depth required, incorporating Tensor InterAx geogrid placed on the made ground formation, which had a Cu value of 50 KPa.