

UK PROJECT OVER £1M

SPONSORED BY



WINNER

Thrandeston Bog Embankment Stabilisation Network Rail, Mott MacDonald, RD Geotech, Nuttall John Martin & Keller Ground Engineering

The railway line across Thrandeston Bog on the London to Norwich line had suffered repeated slope failures. Mott MacDonald and RD Geotech came up with a solution involving dry soil mixing of the peat and soft clay. This is thought to be the first use of the technique on a UK transport project and was 50% cheaper than the alternative piled solution. Work was planned two years in advance so it could be carried out ahead of five 52-hour possessions booked for the replacement of 10 overhead line structures.

What the judges said: "A purely geotechnical project with a novel geotechnical solution that was sustainable and sensitive to its location. Having to plan two years in advance meant the engineers had to have a strong conviction that their decision to use dry soil mixing for the first time on a live railway would be successful. The method also incorporated well thought out health and safety measures."

HIGHLY COMMENDED



Midlands Quarry Reclamation

Arup. Other organisations involved: CA Blackwell P&S Consulting Engineers, Huesker, Kerblin Civil Engineering, Merebrook Consulting Engineers, Warwickshire County Council

This project combines large-scale recycling and creation of one of the highest reinforced-earth structures in Europe to facilitate the development of two derelict sites.

What the judges said: "A project of immense scale and ambition, with due credit to its 'waste not want not' attitude."

HIGHLY COMMENDED



East London Line Project

Bachy Soletanche. Other organisations involved: Mott MacDonald, Balfour Beatty Carillion, JV Scott Wilson, Benaim and Tony Gee & Partners, Geotechnical Consulting Group, ITC, Faber Maunsell, Network Rail, London Underground and Thames Water

Bachy Soletanche has constructed approximately 3,600 piles to the value of nearly £16M over two years.

What the judges said: "The sheer scale of this project makes it extremely impressive."

HIGHLY COMMENDED



Severn Trent Water's new headquarters

Expanded Piling. Other organisations involved: BAM Construction

This £1.6M project involved installing single-cased pile bores to form a secant piled basement wall. The wall was completed two weeks ahead of programme and at a cost much lower than that offered by other tenders.

What the judges said: "Considerable thought was put into how the piling work would affect the rest of the programme."