RailBusinessDaily

FlexMSE – Vegetated Retaining Walls

August 31, 2021

Technical Seminar at Railtex/Infrarail 2021

Tuesday 7 Sept 2021 – 10:30
Rosie Birkett, Head of Sales, Gravitas International

The Technical Seminar programme at Railtex/Infrarail 2021, hosted by Rail Business Daily, will commence at 10:30 on the first day, Tuesday 7 September 2021. Rosie Birkett, head of sales at Gravitas International, will present on behalf of exhibitor Scott Parnell.

Her topic will be:
FlexMSE – Vegetated Retaining Walls

Retaining walls and vegetation are not often seen as going hand in hand. But, with FlexMSE, Scott Parnell's vegetated retaining wall system, that is exactly what users get.

A combination of geotextile bags and interlocking plates allow structural retaining walls to be built in a modular and flexible way, allowing structures to curve and flow with the natural environment. The omission of steel, concrete, or often both, is a huge movement towards the nation's net zero ambitions.

Furthermore, a system that can be seeded or planted after installation becomes a carbon-neutral structure and, when carbon recovery has been achieved, the structure begins its journey into carbon negativity.

Build is permanent with a 120-year ASTM design life and the vegetation can be designed to meet site requirements. Most commonly, the surface face is hydroseeded with small seed mixtures such as grass, wildflowers or a combination of the two. A fully landscaped finish can also be achieved. Vegetation can be matched to existing plant life or to encourage new insect and wildlife to the area awarding it with biodiversity.

This presentation will explain how FlexMSE can withstand unlimited differential settlement, supporting areas where there is ground movement. It scores 21 BREEAM credits, installs quicker and cheaper than traditional retaining wall products and, impressively, when compared to a concrete block system, offers a saving of 97 per cent of greenhouse gases generated.

After the presentation, visit Scott Parnell on stand N17 in hall 11 to find out more.