

Trackworker Protection, a Digital Solution from Hitachi

September 1, 2021



Technical Seminar at Railtex/Infrarail 2021

Tuesday 7 Sept 2021 - 11:50

Matthew Diggle, Engineering Manager, Hitachi Information Control Systems Europe

The third seminar on the first day of Railtex/Infrarail, the UK's premier #railindustry exhibition, will be at 11:50 on Tuesday 7 September. The Technical Seminar programme at the UK's premier #railindustry exhibition is being organised by [Rail Business Daily](#).

Matthew Diggle, engineering manager at [Hitachi Information Control Systems Europe](#) (Hitachi Infocon) will be speaking on Trackworker Protection, a Digital Solution from Hitachi.

Keeping trackside workers safe on Britain's busy and complex rail network is a vital task. The existing processes, including safe systems of work planning and line blockages, are effective when applied well but they can be time-consuming and cumbersome, and sometimes people make mistakes or take shortcuts, occasionally with tragic consequences.

Hitachi is developing a novel system which offers both increased safety and improved efficiency. It operates in parallel with the existing processes, independently calculating what signalling protection is required to protect a work site, and doesn't require any lineside equipment, although, if devices such as TCODs are present, it can interface with them.

It formalises communication between trackside and signalling staff and displays information about signalling protection to both parties. By monitoring lineside infrastructure, it can provide warnings about unexpected events, such as SPADs or runaway vehicles that approach a line blockage, and it can filter out potentially unsafe commands by sitting between signalling control systems, including panels and VDU-based workstations, and relay or electronic interlockings, without needing changes to either of them.

Sounds like magic? Come along to the talk to find out more, then visit stand P16 in hall 11.