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Track & Infrastructure

Complete Composite Systems (CCS)

An exciting collaboration has made the installation of the rail industry’s benchmark elevated cable management system even faster...

Complete Composite Systems (CCS) recently announced a collaboration with Anchor Systems International Ltd that quickens the fitting of its ARCOSYSTEM® trackside cable troughing.

Scott Parnell Ltd, a CCS partner and exclusive UK stockist of ARCOSYSTEM®, confirmed that Anchor’s patented Anchor Screw can now be used in conjunction with the ARCO troughing to establish the ‘Rapid Route’ system, considerably improving the speed and efficiency of ARCO’s installation.

During one five-hour shift, 124 anchor foundations were installed with no requirement for on-track plant, allowing for the swift fitting of 744 metres of ARCOSYSTEM®.

Installed at six-metre centres, Rapid Route includes a foundation system which replaces the need to excavate and use cast in-situ posts to support the GRP-manufactured ARCOSYSTEM®. Instead, the Anchor Screws, made in the UK from recycled steels, are driven into the ground from the surface following ground clearance checks. The domed connections between the Anchor Screws and ARCOSYSTEM® allow for alignment correction to ensure an accurate first-time installation.

Sharon Meek, Scott Parnell’s Head of Rail, said: *“I’m absolutely thrilled Anchor Systems Ltd have chosen ARCOSYSTEM® to work with the Anchor Screw. We now have two of the very best systems working together to offer the sector significant cost savings, work force safety and sustainable cable management installation.”*



Hadley Smith, Director of Anchor Systems International Ltd, said: “We are looking forward to developing our partnership with Scott Parnell, the leading specialist supplier to the rail industry, in offering the most rapidly installed cable route system available to the market.”

Ron Brown, Technical Director of CCS, said: “The exclusive nature of the agreement means that Anchor Systems’ Rapid Route System can only be used with the leading elevated cable containment system on the market, ARCOSYSTEM®, both available through Scott Parnell, making it the easiest, fastest and most widely available system to install in the UK.”



ARCOSYSTEM® — Key Features and Benefits:

- Constant working temperature range from -40°C to +80°C
- Carries cable loads of up to 90kg/m and withstands wind loads up to 1.45kN/m²
- Electrically insulating; suitable for HV use with a breakdown voltage almost 50kV
- Twin-walled design of the troughing enables the system to resist lateral forces from embankment subsidence, high snow loads and wind effects from high-speed trains
- Excels in remote locations subject to intense heat or extreme freeze-thaw cycles
- Meets a number of fire standards and proven performance in simulated trackside fires
- Resistant to heat, water, corrosion, UV rays and a wide range of chemicals
- Troughing available in four sizes to accommodate a range of trackside cabling requirements

For more details about how the ‘Rapid Route’ system can meet the cable troughing requirements of your rail project, **contact the technical experts at CCS**, the exclusive UK distributor of **ARCOSYSTEM®**:



Complete Composite Systems Ltd

503 Broadway, Letchworth, Hertfordshire, SG6 3PT

Tel: +44 1462 379000 or +44 7860 147863

Email: info@completecomposites.co.uk

The exclusive UK rail stockist of ARCOSYSTEM® is Scott Parnell:



Scott Parnell Rail Division

Asheton Farm Business Centre, Stapleford Abbots,
RM4 1JU

Tel: +44 208 8055797 or +44 1135 126898

Email: rail@scottparnell.com

More information about the Anchor Screw can be found on the **Anchor Systems website**.



ARCOSYSTEM® is manufactured by CCS’s Swiss partners, **Castioni Kabelführungssysteme GmbH**



ARCOSYSTEM®

Trackside Cable Troughing Made Easy



Need your trackside cabling safely contained over the course of a challenging railway route? The lightweight and versatile **ARCOSYSTEM®** is the ideal elevated cable troughing solution, offering unrivalled durability in all weathers.

- Designed to be post-mounted, wall-hung or fixed to lineside structures such as railings, bridges, hillside slopes, HEA beams, noise barriers or rock walls
- Spans 6m between supports, making installation quicker and more cost-effective than traditional ground-based systems
- Constructed from durable composite materials, with the troughs and lids made from pultruded fibre-reinforced polymers (GRP/FRP) which excel in providing structural and load-bearing performance, supported by laser-cut galvanised steel brackets
- Bespoke range of bracketry enables height and direction changes to be made with ease



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