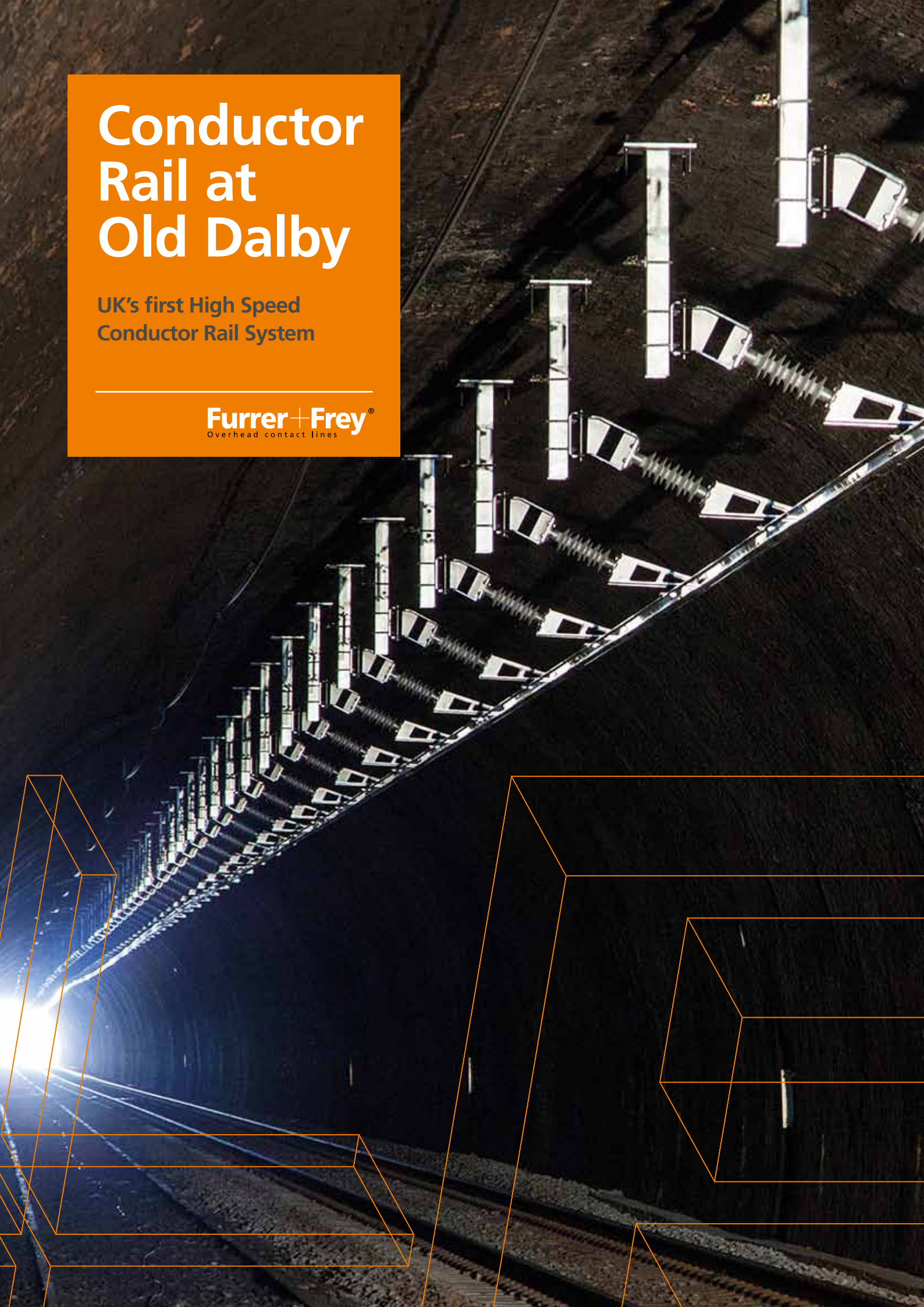


# Conductor Rail at Old Dalby

UK's first High Speed Conductor Rail System

**Furrer+Frey®**  
Overhead contact lines





Stanton Tunnel on Old Dalby Test Track has been upgraded with Furrer+Frey Rigid Overhead Conductor Rail System (ROCS), making it UK's first for High Speeds (up to 140mph).



# Conductor Rail at Old Dalby

## UK's first high speed Rigid Overhead Conductor Rail System

### Conductor Rail System for Stanton Tunnel

Furrer+Frey AG (F+F) have designed and supplied UK's first Rigid Overhead conductor rail system (ROCS) for high speeds at Old Dalby. The system is designed for line speeds upto 140mph, and will be utilized for testing the new IEP trains for Great Western Mainline and East Coast Mainline.

The ROCS is installed on a 1.2km long Stanton Tunnel on the Old Dalby test track near Melton Mowbray, Leicestershire.

F+F have used their patented design and components which offers improved reliability and safety in comparison to conventional methods of electrification in tunnels.

F+F have supplied ROCS system for more than 1900 track km worldwide and the system is tested upto 302kmph line speeds.

### Salient Features

Stanton Tunnel ROCS features include:

- + F+F Drilling rig – Drilling was done using F+F drilling rig to precise measurements important for high speed systems
- + F+F Generation-4 Conductor Rail, CR4
- + Transition bar for smooth interface between conventional OLE and ROCS
- + State of art expansion joints to accommodate movements due to temperature variations
- + Stainless steel components for better performance in corrosive environments
- + Special protection cover for areas with water ingress

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