

# Rail

Tunnel, station and depot control systems, designed to rail standards.



The railway runs to a timetable, and the systems behind it cannot fail quietly. Tunnels, stations and depots rely on ventilation, pumping, power and building services that are safe, available and assured to rail standards. Work happens in short possessions, and every change has to be evidenced.

## YOUR PRIORITIES

### What matters most

#### Assured, evidenced change

Changes assured and evidenced from the start.

#### Work in short possessions

Cut-overs that fit the possession.

#### Tunnel and station safety

Tunnel and station systems that work when needed.

#### Cyber security

Control networks secured by design.

## STANDARDS

### Standards we work to

#### BS EN 50126 (RAMS)

Reliability, availability, maintainability and safety, specified and demonstrated through the railway system lifecycle.

#### BS EN 50716:2023

Software development for railway applications, replacing EN 50128 and EN 50657.

#### CLC/TS 50701

Cyber security for railway applications, applying the IEC 62443 approach to the rail environment.

#### ROGS 2006

The Railways and Other Guided Transport Systems (Safety) Regulations: safety management duties enforced by the ORR.

#### Common Safety Method (CSM-RA)

Risk evaluation and assessment of significant changes to the railway, with independent assessment where required.

#### Network Rail company standards

Requirements for design, equipment and works on Network Rail infrastructure, including product acceptance.

## HOW WE DELIVER



### Systems we engineer

- Tunnel ventilation and smoke control
- Tunnel and station drainage pumping
- Station and infrastructure SCADA
- Lighting, power and building services
- Depot plant: train wash, lifting, fuelling
- Traction power SCADA interfaces

### Why Matrix

- Standards first.
- You own the system.
- Tested before site.
- Multi-vendor.
- In it for the long term.

ISO 9001 certified • Cyber Essentials • CHAS • Constructionline • SafeContractor

**Talk to us about your project**

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