

RAILWAY INFRASTRUCTURE

THERMAL & SIGNALING SOLUTIONS

Protecting Critical Railway Infrastructure 24/7

Built for Demanding Railway Environments

Railway infrastructure depends on reliable operation in all conditions. From trackside signaling and traction power systems to stations and rolling stock, Pfannenberg thermal management and signaling solutions help protect critical equipment, maximize system uptime, and support safe railway operations.

Supporting Critical Railway Applications

Railway Infrastructure

- Interlockings
- Signaling Systems
- ETCS and Communications

Electrification

- Traction Power Substations
- Converter Stations
- Switching Stations

Stations & Depots

- Control Rooms
- Maintenance Facilities
- Passenger Information Systems

Rolling Stock

- Electrical Cabinets
- Inverters
- Auxiliary Systems

Railway Challenges We Solve

Extreme Temperatures
Maintain reliable performance year-round.

Dust & Pollution
Reduce contamination risks and extend equipment life.

Condensation & Humidity
Protect sensitive electronics from moisture related failures.

24/7 Availability
Support uninterrupted operation of critical railway systems.



www.pfannenberg.com

Pfannenberg
ELECTRO-TECHNOLOGY FOR INDUSTRY

Solutions for Reliable Operations

Supporting critical infrastructure with thermal management and signaling solutions designed for demanding railway environments.

THERMAL SOLUTIONS



Cooling Units

Maintain safe enclosure temperatures while protecting electronics from dust, moisture, and contaminants.



FIlterfans® and Rainhoods

Provide cost-effective cooling where ambient air can be used efficiently.



Air/Air & Air/Water Heat Exchangers

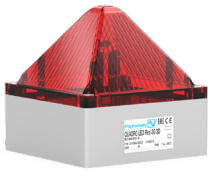
Remove heat efficiently while keeping electrical enclosures sealed.



Heaters

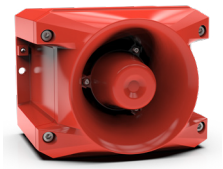
Help prevent condensation and cold-weather equipment failures.Help prevent condensation and cold-weather equipment failures.

SIGNALING SOLUTIONS



Visual Signaling

Provide clear status indication for faster recognition and response.



Audible Alarms

Deliver immediate warning notification in high-noise environments.



Combined Warning Devices

Increase operational awareness through coordinated visual and audible alerts.

WHY RAILWAY CUSTOMERS CHOOSE PFANNENBERG

Reliable Performance

Solutions engineered to support mission-critical railway applications.

Thermal & Signaling Expertise

A complete portfolio of thermal management and signaling solutions from one source.

Long-Term Value

Durable solutions that help extend equipment life and reduce maintenance demands.

Built for Demanding Environments

Designed for temperature fluctuations, contamination, and continuous operation.

Global Support

Support for railway projects across international markets.

Pfannenberg Protects People, Machines & the Environment

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TALK TO AN EXPERT

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