



RailEdge™

Supervisory Control and Data Acquisition (SCADA) & Public Address and Customer Information Services (PACIS)



Integrated



Scalable



Reliable



Smart



KB SIGNALING™

RailEdge™

General Description

The next-generation, fully integrated rail operations platform, RailEdge™, unifies Supervisory Control and Data Acquisition (SCADA) with advanced Public Address & Customer Information Services (PACIS). Designed for railways advancing toward smart automation, high system reliability, and enhanced passenger communication, the RailEdge platform creates a single, intuitive environment for managing mission-critical rail assets.

Engineered on a modern, virtualized server architecture, the platform ensures high availability and performance. Designed for mission-critical operations, it provides robust failover and multi-tier redundancy.

- High-availability virtual server cluster hosting SCADA, PACIS, Dispatch, and Train Control modules.
- Capable of being deployed on physical servers and hypervisors.
- Aligns with industry standard protocols for data protection and supports centralized monitoring across all system layers.

By combining operational intelligence with a streamlined, modern user experience, RailEdge reduces complexity and strengthens operational decision-making. This future-ready platform supports the next generation of digitized, data-driven rail networks and reflects KB Signaling's commitment to reliable, innovative rail solutions.

Customer Benefits

- Market leading operational visibility across train control, field assets, energy systems and real-time passenger communications.
- High-availability SCADA engine enables continuous monitoring and automated response during critical events.
- Next-level passenger communication with real-time audio, visual, and schedule-driven messaging.
- Modular and scalable platform that grows with your network and integrates with signaling infrastructure.
- Market-proven reliability with deployments across diverse rail networks worldwide.

SCADA – Smart Control at Every Level

The SCADA engine empowers operators with precision control and automated supervision of all key rail infrastructure systems. With its high-performance monitoring engine, SCADA enables rapid response, synchronized operations, and enhanced system resilience.

- Real-time control of switches, track circuits, tunnels, ventilation, and traction power systems.
- Deep situational awareness enabled through high-accuracy vehicle tracking and asset supervision.
- Automated rule-based responses to field conditions, enabling safer and more efficient operation.
- Centralized configuration and administration tools, reducing training time and improving consistency.

PACIS – Elevating Passenger Engagement

The PACIS enables operators to deliver timely, clear messaging across the entire network. Whether through live announcements, automated updates, or real-time data feeds, RailEdge ensures passengers stay informed and confident in their journey.

- Dynamic message creation and scheduling tailored to service needs.
- Live, high-quality public address audio distribution across stations and vehicles.
- Real-time ETA, disruption notices, and multimodal trip information.
- Highly customizable zones, message groups, and user roles for operational flexibility.

**Contact your KB Signaling Business Development Manager
Call 1-800-825-7090, or Email us at KBSignaling.techsupport@knorr-bremse.com for more information today.**

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