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We Have a New Name and an Exciting New Future for You

We are excited to announce that on August 30, the North American Conventional Signaling business officially transitioned ownership from Alstom to Munich, Germany-based Knorr-Bremse. **Our new name is KB Signaling.**



The move represents a significant step in the intent of Knorr-Bremse's global and North American rail divisions to transform from a vehicle system supplier to a supplier of mission-critical systems for the entire rail ecosystem.

While our name may be different, rest assured that our commitment to meeting your needs and ensuring business continuity remains unchanged. You will continue to enjoy the same reliable service and processes as before.

What You Can Expect Going Forward

- **Same Team:** You'll continue working with the same people. Your current points of contact for customer service, projects, and sales are unchanged.
- **Same Solutions:** Our portfolio remains consistent, including well-known products such as ElectroLogIXS®, VPI®/iVPI®, ACSES™, ITCS, AFTC, and electromechanical products like switch machines, relays, MicroCabmatic™, UltraCab™, RailEdge™, and NAM TMS.
- **Same Commitment:** We remain focused on delivering high-quality rail signaling solutions with the same dedication to innovation and customer satisfaction.

The transition – expected to be 18-24 months – is designed to ensure there is no disruption to our ongoing projects, services, or support. We deeply appreciate your continued trust and partnership as we move forward under the KB Signaling name.

For more information, read our [press release](#).

Have Questions? Want More Information?

Contact your KB Signaling Business Development Manager or email us at kbsignaling.customerservice@knorr-bremse.com.

Best-in-Class Electro-Mechanical Vital Relays

Welcome to KB Signaling's (KBS) Electromechanical Vital Relay production facility in Warrensburg, Missouri, where precision and quality are at the forefront. Our relays are built to meet the highest industry standards, supported by a team with over a century of combined experience. In this article, we'll take you through the detailed process behind our relay production, the teamwork that drives it, and our commitment to delivering reliable products, on time, every time.



At Building 605 in Warrensburg, Missouri, KB Signaling's Electro-Mechanical Vital Relay production facility is a hub of precision and efficiency. Every relay is carefully crafted and calibrated to meet the highest industry standards. New team members typically spend six months training before independently building relays, ensuring consistency and quality.

Our team, with decades of experience in railroad signaling and safety-critical manufacturing, plays a vital role in producing relays. Their expertise is evident in every relay we deliver, and with a best-in-class lead time of 30 days or less for many of our popular products, we also maintain stock for urgent orders, ensuring customers receive what they need quickly.

Behind the assembly process is a globally managed supply chain that sources top-quality materials. Transforming raw materials into fully functional relays can take up to two years, requiring a supply chain team that adeptly navigates both economic and geopolitical challenges.

Quality is a team effort, and we prioritize open communication to ensure no issue goes unaddressed. For example, an assembler recently suggested switching from legacy flat-head bolts to Hex and Torx-style bolts, making assembly safer and more efficient while maintaining the high standards our customers expect.

Our safety and quality team inspects every component before assembly, ensuring only the best parts are used. This commitment to excellence is reflected in our updated 1-year warranty for remanufactured and recertified relays, emphasizing our dedication to quality and customer satisfaction.

We take pride in our work and invite you to see it firsthand. Contact your Business Development Representative to schedule a tour of our facility and witness the precision, care, and dedication that go into every KB Signaling relay.

QuEST™ Rail's Soft Local Control Panel (sQLCP) and the KBS Certified Developer Program

In the rapidly evolving world of rail signaling, analytics edge solutions are only as effective as the applications they support. The KB Signaling (KBS) WSDMM platform is the standard for wayside-based analytics edge devices, featuring a rugged design, AREMA compliance, and exceptional reliability. Still, KB Signaling goes further by offering innovative, flexible solutions that expand its capabilities. Combining the Quest Rail sQLCP and the versatile the WSDMM platform, eliminates the need for hardware-based control panels, streamlines operations, and simplifies vendor relationships, while supporting a diverse ecosystem of applications.



Expanding the WSDMM Ecosystem

Delivering value is at the core of all we do. The collaboration of QuEST™ Rail and KBS is evidence of that commitment. Our joint efforts provide two solutions: software development guidelines for the available WSDMM resources and select requirements/constraints to ensure any non-KBS-developed apps would not interfere negatively with the existing apps. QuEST Rail's sQLCP app fully replaces traditional hardware-based railroad signaling Local Control Panels, providing the same functionality without additional hardware. It connects seamlessly with the ElectroLogIXS® platform using Ethernet and offers the flexibility to configure and operate through QuEST's no-cost QLCP-NET Developer Tool, available at www.questrail.com/sqlcp-wsdmm.

The KB Signaling Wayside Intelligence WSDMM Certified Developer Program

The result is the **KB Signaling Wayside Intelligence WSDMM Certified Developer Program**. Under this program, third parties commit to developing value-added apps that will address customer problems, following the KB Signaling guidelines. KBS ensures and certifies that the apps are compatible with the rest of the WSDMM solution by including them in the KB Signaling Wayside Intelligence automated test pipeline. Our tests check for compliance with the constraints/requirements specified in the software development guidelines.

These automated tests ensure compliance with KB Signaling's software development guidelines, ensuring apps – like the QuEST Rail sQLCP – work seamlessly with other WSDMM-based solutions. All apps developed under this program are compatible with the Wayside Intelligence Update Manager for easy updates alongside KB Signaling apps. In addition, apps developed under this program are packaged for compatibility with the Wayside Intelligence Update Manager.

What does that mean for you? Any update/upgrade can be installed with other KB Signaling app updates/upgrades using the same tool. As part of the KB Signaling Certified Developer Program, we provide sales and distribution services and first-tier product technical support.

The program goal is to quickly expand and grow the WSDMM software application ecosystem, further increasing the utility and benefits of the WSDMM hardware platform.

The QuEST Rail sQLCP on WSDMM

The sQLCP software acts as a complete railroad signaling Local Control Panel, able to request control, execute all the controls, and receive all the indications sent to an ElectroLogIXS® interlocking platform. It communicates with the ElectroLogIXS using the Genisys™ protocol via Ethernet. The tool does not require hardware other than the WSDMM. The control panel is configured using the existing QuEST QLCP-NET Developer Tool, available today for download from the QuEST Rail site at www.questrail.com/sqlcp-wsdmm.

In addition, KB Signaling and QuEST Rail are working to enable other information (not typically available on Local Control Panels) to be overlayed on the track diagram. Our focus includes track temperature coming from the KB Signaling Rail TempEst™ app, track circuit RX and TX current data, and more.

The dynamic new app supplies maintainers with powerful configuration and troubleshooting capabilities, available remotely via the WSDMM's Web GUI. The sQLCP also enhances display capabilities and can overlay additional data, such as track temperature and signal status, for insights beyond those of traditional control panels. This panel will also be available via remote connection with WSDMM, allowing access from central signal troubleshooting desks, dispatch systems, etc.

It's time to take advantage of this powerful solution for full functionality of a Local Control Panel without the costly hardware and labor-intensive configuration. The sQLCP app, available exclusively from KB Signaling, is available for purchase either pre-installed or as a separate software license for existing WSDMM devices.

To learn more about the QuEST Rail sQLCP and the Certified Developer Program, contact your KB Signaling Business Development Representative or visit www.questrail.com today.

Coming Soon to a Highway Crossing Near You

Since our last User Conference, there are some exciting strides in our new Highway Crossing products. Building on the success of the ElectroLogIXS® VTI-2E, we are enhancing our product capabilities – fueling innovation for you – to bring even more cutting-edge solutions to the market. Now, as KB Signaling, it's the perfect time to share the latest updates



Next Generation Crossing Controller for ElectroLogIXS® – The Integrated Crossing Controller IXC-R20

The new IXC-R20 brings many new features to crossing control solutions. Fully redundant operation and integrated lamp and bell current monitoring, combined with enhanced ElectroLogIXS® maintenance features, simplify how crossings are maintained to help ensure the highest possible availability.

The IXC-R20 module is now in its final validation cycle, with initial production of the module hardware slated by the close of November. Durability testing was added to our battery of proven product verification and validation processes to ensure top quality and product life. Most notable is the testing of extreme in-rush current levels experienced by activating grade-crossing LEDS. The IXC-R20 has successfully driven 14 GSI 12" LED lamps off a single lamp output. We'll continue testing at higher voltage levels to find the maximum number of GSI lamps supported by a single IXC-R20.

The new IXC-R20 Personality Modules, which remove the need for the XIP Field Interface Panel, are now in production. After substantial surge testing, we've got great news: the new IXC-R20 personality modules are fully backward compatible with the existing ElectroLogIXS IXC-20S crossing control module while enabling the removal of the XIP field interface panel from new and existing applications. Flexibility like this allows current IXC-20S customers to get immediate benefits by simply swapping the new IXC-R20 personality module into their designs now and allowing removal of the legacy XIP Field Interface Panel in the field if desired. You can implement this change today, and it will remain consistent as testing and adoption of the new IXC-R20 into your standard configuration occurs.

The IXC-R20 is slated for full-volume production by the 4th quarter of 2024. Contact your KB Signaling Business Development Manager to secure the new IXC-R20 modules for pre-testing in the lab and for field trials.

Crossing X-Pert Analytics for the WSDMM Platform

The Crossing X-Pert™ Monitoring and Analytic application for the WSDMM Platform hit significant milestones over the past several months. The Crossing X-Pert application captures real-time data from the ElectroLogIXS XP4, displays the data in an easy-to-interpret interface, allows historical data review, sets and sends alerts on operations outside expected behavior, and uses the captured data to analyze for configuration and long-term operational irregularities.

With the WSDMM and the ElectroLogIXS XP4 interface in place, the analytic code base for train move linearization, Lumped Impedance configuration monitor, and the Warning Time historical trending analysis are complete. But we are not done yet. We've turned our focus on the user interface, making sure that the most pertinent information is readily visible and additional support information is one click away. Next we are focusing on new user configuration capabilities, to support the most crossing applications possible while allowing operators to standardize those configurations into specific alerts and data captures for their maintainers.

Current plans call for a first quarter 2025 launch of the WSDMM Crossing X-Pert application. Watch for more details as development advances.

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