

Hitachi Rail announces new digital rail products at 2022 RSSI C&S Exhibition

May 13, 2022



Hitachi Rail is launching new innovations and product improvements at the upcoming 2022 Railway Systems Supplies, Inc. (RSSI) Communication & Signaling (C&S) exhibition in Kansas City, Missouri on May 16, 17 and 18. The company will be demonstrating digital solutions for freight and passenger rail to help railroads maximize their investment for the long-term.

Hitachi Rail will be launching several new innovations in the areas of Automation and Digitalization, which include PTC Onboard (Positive Train Control), Railcar Telematics, and dispatching systems. As part of its vision for an Intelligent Wayside, Hitachi continues to invest in integrating digital capabilities within its core signaling products. The added capability allows customers to improve operational performance and maintenance activities through deploying technological innovation.

Hitachi Rail announces the launch of its PTC Onboard System, as an Interoperable Train Control (ITC) solution for freight railroads and commuter rail operators. The technology platform utilizes a modern, multiprocessor architecture to run both vital (SIL-4) and non-vital applications, and it leverages the decades of onboard train control experience from prior Hitachi Rail platforms.

Miles Metschke, Head of Freight Rail, Hitachi Rail, North America, stated, “The Hitachi Rail platform allows railroads to upgrade their existing PTC systems today. We have also planned for the future of train control by including additional expansion capabilities, which allows railroads to maximize their investment for the long-term.”

Hitachi Rail will also launch its **digital Railcar Telematics product suite** to provide GPS tracking and operational status of railcars. An exclusive partnership with Intermodal Telematics establishes Hitachi Rail’s full suite of railcar telematics products, which complements its existing product portfolio from the acquisition of **Perpetuum** in 2021.

“We are very excited to be bringing our new railcar monitoring solution to North America with our partner, Intermodal Telematics. The combined products, software, and capabilities of both companies creates a best in class solution for railcar owners, rail shippers and railroads,” added **Miles Metschke**.

Hitachi Rail has made enhancements to several of its core signaling products to integrate digital capabilities in its vision to move towards an **Intelligent Wayside**.

- In M3/M23 switch machines, the **Intelligent Electronic Circuit Controller (IECC®)** has been updated with improvements for remote monitoring and diagnostics.
- **Hitachi Rail’s switch machines** have been upgraded to enhance maintenance activities – by making it faster and simpler to performing tests and inspections.
- The improved **Model 95-E gate crossing mechanism** – featuring a new electronic control module and dustless motor technology that significantly reduces maintenance costs.
- For the MicroLok II platform, new **EasyRail® Design and Simulation tools** have been launched to simplify the building and testing of vital and non-vital applications.
- **EasyRail® Maintainer is a remote monitoring and diagnostics** application for the MicroLok II platform, which provides advanced analytics over wayside data.
- The MicroLok II platform also includes the **ViPro® vital processor** for vital and non-vital wayside signaling and PTC applications – which combines core train control capabilities with next generation communications, monitoring and analytics.

Joseph Pozza, President of Hitachi Rail, North America, said, “We are proud of our core products for communication and signaling that are installed across North America. We continue to invest in new digital technologies to provide our customers with modern capabilities to better operate and maintain their rail network. Through these lasting partnerships we will continue to innovate and provide more efficient and safer railways.”