

Wabtec Wins a Significant Predictive Maintenance Contract from Indian Railways

NEW DELHI, March 31, 2022 — Wabtec Corporation (NYSE: WAB) announced today it was awarded a contract from Central Organisation For Modernisation Of Workshops (COFMOW), Indian Railways for its Online Monitoring of Rolling Stock (OMRS) project. The new automated OMRS system is part of Indian Railways' "SMART Yard" initiative and will improve the availability of the railway's fleet of coaches, wagons, and locomotives by detecting and addressing defects, preventing in-service failures.

"Indian Railways is at the forefront of deploying digital solutions to modernize their operations and drive efficiency across its rail network," said Nalin Jain, Digital Electronics Group President, Wabtec Corporation. "This order supports their 'Smart Yard' initiative, which will showcase the next generation of condition-based predictive maintenance technologies. The OMRS systems will streamline Indian Railways' operations by automating the inspections of bearings and wheels and pinpointing customized maintenance to maximize the utilization of its rolling stock."

The OMRS is a wayside solution comprising Rail Bearing Acoustic Monitor (RailBAM) and Wheel Condition Monitor (WCM/ WILD) to detect faults in the axle-journal bearings and wheels of rolling stock. The RailBAM technology uses acoustic signatures from bearings to identify bearing defects in advance before they would be identified through human inspection. The WCM technology uses impact forces exerted by wheels on to the rail to identify wheel defects. The OMRS systems enable operators to optimally plan the inspection and removal of defective bearings and wheels based on condition instead of fixed time-based inspection schedules, resulting in a healthier and reliable fleet.

"Wabtec and Indian Railways have partnered for decades to continually provide the country with rail technology solutions that enable an efficient, reliable and safe rail network," said Sujatha Narayan, Senior Vice President and India Region Leader, Wabtec Corporation. "This project will bring in state-of-the-art global digital high-tech solutions to the substantial portfolio of the India business enabling Indian Railways in their journey of modernization and digitalization."

COFMOW is managing the deployment of Indian Railways' Smart Yards across the country. As part of the contract with COFMOW, Wabtec's teams in Australia and India will lead the design,

development, supply, installation, and commissioning of 97 OMRS equipment sets in various zonal railway locations across the country. The data from all the wayside OMRS systems will be fed into a state-of-the-art Central Data Control Center to be established in Delhi through the Wabtec Fleet ONE software.

Wabtec is a leading technology provider to the Indian Rail Transportation sector for both Indian Railways and metros. Its portfolio includes locomotives to critical sub-systems such as brakes, couplers, doors, air-conditions, pantographs to the smallest of brake pads and power relays, which are used in a variety of rolling stock. With a 1-million-square-foot operational footprint and 2,800 employees in India, Wabtec has increased its presence in the country over the past few years. The company has a strong engineering presence with more than 1,200 employees, which includes over 500 Digital Electronics technologists.

About Wabtec

[Wabtec Corporation](#) is focused on creating transportation solutions that move and improve the world. The company is a leading global provider of equipment, systems, digital solutions and value-added services for the freight and transit rail industries, as well as the mining, marine and industrial markets. Wabtec has been a leader in the rail industry for over 150 years and has a vision to achieve a zero-emission rail system in the U.S. and worldwide. The company has approximately 27,000 employees located at facilities in 50 countries throughout the world. Visit Wabtec's website at: www.wabteccorp.com.

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