Vale and Wabtec Sign Agreement to Enhance Operational Safety on the EFC and EFVM Railways with Advanced Railway Signaling Technology

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Adoption of the PTC System Increases Predictability and Reliability in Railway Operations

Vale is advancing its innovation and logistics efficiency strategy through the adoption of an advanced operational safety system for its railway transportation network. The company has announced an agreement with Wabtec (NYSE: WAB) to implement the Positive Train Control (PTC) solution, elevating operational safety standards on the Carajás Railway (EFC) and the Vitória a Minas Railway (EFVM).

The PTC system enhances predictability and reliability in railway operations through advanced data transmission and monitoring technology. The solution enables real-time operational management, automatic intervention under risk conditions, and mitigation of critical operational events. The project, which represents an investment of approximately BRL 1 billion, will be implemented in phases through 2031 and includes integration with onboard systems and existing infrastructure, ensuring an efficient and safe transition to the new operational standard.

The Vitória a Minas Railway and the Carajás Railway, both operated by Vale, are already among the safest railways in Brazil according to the criteria established by Brazil's National Land Transportation Agency (ANTT). They are also the country's only two regularly operating passenger rail lines.

"The continuous strengthening of our safety culture and operational excellence is one of the pillars of Vale's future strategy. The adoption of this cutting-edge railway management technology reinforces our commitment to using innovation as a lever for an increasingly safer, more modern, and efficient operation across our integrated logistics chain," said Carlos Medeiros, Vale's Executive Vice President of Operations.

"The implementation of PTC in Vale's operations represents an important milestone in advancing railway safety in Brazil. This project reinforces our commitment to innovation with purpose, driving digital transformation across rail networks and contributing to safer and more efficient operations," said Danilo Miyasato, President and Regional Leader of Wabtec LATAM.

The technology to be implemented is Wabtec's I-ETMS (Interoperable Electronic Train Management System), developed by Wabtec and widely recognized in the global market as a benchmark PTC solution for world-class railway operations.

About Vale
Vale is a global mining company that exists to improve lives and transform the future together. Headquartered in Brazil and operating worldwide, Vale is one of the world's largest producers of iron ore, copper, and nickel. Its operations include extensive logistics systems integrated with its mining assets, including railways, maritime terminals, and ports.

Vale's ambition is to lead value creation in mining through ethical and sustainable practices. The company also aims to be a leader in steelmaking decarbonization, supported by competitive iron ore costs, customer focus, and an adaptable portfolio, while accelerating growth in copper and increasing operational efficiency in nickel production.

About Wabtec
Wabtec Corporation is revolutionizing the way the world moves for future generations. 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 155 years and has a vision to achieve an efficient rail system in the U.S. and worldwide. Visit Wabtec's website at http://www.wabteccorp.com**.**

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