



## Wabtec to deploy Septentrio GPS receivers for high-precision positioning on freight locomotives

Wabtec is implementing Septentrio GPS receivers in its latest GoLINC platform as part of its PTC solution for freight railroads in the United States.

**Leuven, Belgium – September 16, 2019** - Septentrio, a leader in high-precision positioning solutions, is providing GPS/GNSS receivers to Wabtec (NYSE: WAB), a global leader for rail equipment, digital solutions and services. Wabtec is implementing Septentrio GNSS receivers in its GoLINC™ Edge platform, providing positioning, connectivity, data storage and enhancing Positive Train Control (PTC) with the adoption of even higher-precision positioning technology.

This enhanced navigational reference capability can benefit U.S. railroad operations as Septentrio GNSS (Global Navigation Satellite System) receivers are installed on Wabtec's latest GoLINC mobile data center platform operating onboard freight locomotives. Two GNSS receivers are being installed on each locomotive to provide precise positioning information as part of the GoLINC system. Septentrio receivers are also being installed as position reference modules along 30,000 miles of track. They will provide GNSS corrections to the rover receivers aboard the locomotives for reliable and accurate positioning, even in difficult environments such as when tracks run alongside mountains, around cliffs or under foliage.

“The Septentrio GNSS receiver was chosen based upon its superior performance and has proven to have the technology advantage that our customers are looking for,” said Michael Miner, GoLINC Product Manager at Wabtec.

Wabtec’s GoLINC system, comprising networking, communications and applications management platforms, makes trains smarter by collecting numerous parameters about the train and its route. GoLINC is integrated with Wabtec’s PTC solution, which functions as a safety overlay and is designed to enforce existing railroad signal indications and other operating rules. Moreover, PTC provides critical information about proximity of work zones, movement authorization, switch positions and other operational data.

“For two decades, Septentrio has been delivering GNSS receivers to customers requiring accuracy, reliability and safety,” said Neil Vancans, Septentrio Vice President of Global Sales. “We have pioneered and fine-tuned capabilities such as position reliability and interference robustness driven by our customers in markets such as offshore energy, mining and construction. Over the last several years we have been working closely with the transportation and logistics sector as well. Cooperation with Wabtec offers an excellent opportunity to further deploy our high-precision positioning technology in the rail industry, where the unique capabilities of our GNSS hardware and software match perfectly with the accuracy and safety demands of positive train control.”

Beyond PTC, the high-precision GPS infrastructure along the track will enable other applications such as drone flights for rail inspection.

Septentrio will be exhibiting its latest GNSS receivers at the Railway Interchange exhibition and technical conference, which runs from September 22-25, 2019 in Minneapolis, Minnesota, USA.

#### **About Wabtec:**

Wabtec Corporation is a leading global provider of equipment, systems, digital solutions and value-added services for freight and transit rail. Drawing on nearly four centuries of collective experience across Wabtec, GE Transportation and Faiveley Transport, the company has unmatched digital expertise, technological innovation, and world-class manufacturing and services, enabling the digital-rail-and-transit ecosystems. Wabtec is focused on performance that drives progress, creating transportation solutions that move and improve the world. The freight portfolio features a comprehensive line of locomotives, software applications and a broad selection of mission-critical controls systems, including Positive Train Control (PTC). The transit portfolio provides highly-engineered systems and services to virtually every major rail transit system around the world, supplying an integrated series of components for buses and all train-related market segments that deliver safety, efficiency and passenger comfort. Along with its industry-leading portfolio of products and solutions for the rail and transit industries, Wabtec is a leader in mining, marine and industrial solutions. Wabtec has approximately 27,000 employees in facilities throughout the world. Visit the company’s new website at: [www.WabtecCorp.com](http://www.WabtecCorp.com).

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## About Septentrio:

Septentrio provides high-precision, multi-frequency, multi-constellation GPS/GNSS positioning technology for use in demanding applications. Reliable centimeter-level positioning enables machine autonomy, provides operational continuity and ensures safety-of-life. Septentrio provides positioning solutions for professional applications in industries such as autonomous vehicles, robotics, construction, marine, logistics and unmanned aerial vehicles (UAVs).

Septentrio has its headquarters in Leuven, Belgium and has a world-wide presence with offices in Los Angeles, Shanghai and Yokohama as well as numerous partners around the world. To learn more about Septentrio and its products, visit [septentrio.com](https://www.septentrio.com).

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