



PRESS RELEASE

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Boulogne-Billancourt – 23 June 2021

New MICHELIN X AGV^{EV} - the first tire specifically designed for automatic guided vehicles operating in ports

Michelin has launched the new MICHELIN X AGV^{EV}, the first tire specifically designed for automatic guided vehicles (AGV) operating in ports.

The MICHELIN X AGV^{EV}, means that port operators now have access to a tire engineered to meet their AGV requirements in terms of performance, reliability, productivity, and safety. It is also the first time a port tire has been 'EV' marked, indicating that it contributes to reducing machine emissions, and increasing battery life on electric vehicles, due to its very low rolling resistance.

AGVs have been getting more and more common in ports because they optimise operations by ensuring high levels of productivity and safety standards. While these machines are currently used in numerous ports in Asia, Europe and North America, previously there were no tires on the market specifically designed for these vehicles.

The MICHELIN X AGV^{EV} tire's main features include:

- **Smooth running and optimal reliability:** the tire has been designed to ensure long lasting reliability due to its damage resistant design and slick tread pattern.
- **Robustness:** the tire's construction has been optimized to cope with high vehicle and load weights.
- **Very low rolling resistance to save energy:** as most AGVs are now electric, special care has been taken to ensure minimal energy consumption, making it the perfect fit for electric vehicles.
- **TPMS-ready:** the tire comes with a specific patch inside that allows for easy fixing of the Michelin TPMS sensor that monitors pressure and temperature in real time. This is a peace of mind solution for driverless vehicles where there is no operator to perform regular visual checks of the tires.

Dominique Morel, Business Segment Manager for Ports and Ground Support Handling at Michelin, said: "As work environments such as ports evolve with automation and electrification becoming key driving trends, the MICHELIN X AGV^{EV} is living proof of Michelin's dedication to innovation and a customer-centric approach. While AGVs have been growing in numbers around the globe, we see



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them equipped with tires for reach stackers or other machines rather than with dedicated solutions that better meet the specific requirements of their application.

“As a result, we took the opportunity to develop this tire specifically for our customers’ needs. These include tire performance, reliability and productivity, and it will also help terminal operators develop a more sustainable eco-system with their AGVs, due to its low rolling resistance.”

The MICHELIN X AGV^{EV} is currently offered in one size: 18.00 R 25 and is now available through Michelin’s dealer network throughout Asia and Europe, with availability in other regions planned for the future.

Michelin, the leading mobility company, is dedicated to enhancing its clients’ mobility, sustainably; designing and distributing the most suitable tires, services and solutions for its clients’ needs; providing digital services, maps and guides to help enrich trips and travels and make them unique experiences; and developing high-technology materials that serve a variety of industries. Headquartered in Clermont-Ferrand, France, Michelin is present in 170 countries, has 123,600 employees and operates 71 tire production facilities which together produced around 170 million tires in 2020. (www.michelin.com)

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