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MICHELIN DEBUTS AN AIRLESS PROTOTYPE TYRE FOR LAST-MILE DELIVERY ECARGO TRIKES

- Prototype will be showcased on a Coaster Cycles eCargo Trike at Consumer Electronics Show, in Las Vegas
- Michelin aims to provide solutions for urban mobility and last-mile delivery challenges
- Michelin airless radial tyres will allow customers to safely carry more load while eliminating costly downtime

With urban mobility and last-mile delivery key to sustainable solutions in the future, Michelin is developing products, offers and services for safer, more accessible, cleaner and more connected mobility.

As a part of this effort, Michelin is introducing a prototype of its MICHELIN X Tweel airless radial tyre for eCargo trikes. Debuting at the 2022 Consumer Electronics Show in Las Vegas, the tyre will be mounted on the Coaster Cycles eCargo trike in their booth in the eMobility Experience and Test Track area.

“Michelin is committed to innovation to solve tomorrow’s challenges in this complex and demanding market,” said Tony Marconi, Tweel Business Director. “We aspire to be the leader of sustainable solutions for urban fleets and know the most costly step of logistics is often the last-mile delivery.

“Our innovative Tweel has solved challenges in other segments where flat tyres are an issue. We are looking to get ahead of these obstacles in the urban mobility area and aim to deliver the best solution possible for customers to maximise uptime and minimise issues.”

Main advantages of an airless tyre solution on eCargo trikes for last-mile delivery include:

- Reduced downtime (late deliveries, cost of repair, inefficient operators) by eliminating flat tyres.



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- Improved safety/stability. Tweels provide more stability when going around corners, allowing faster last-mile deliveries.
- Potential to increase carrying capacity over pneumatic tyres.
- No tyre maintenance or flat repairs.
- Efficient changeability – fewer parts, fewer problems (on and off).
- Extended range due to lower rolling resistance.
- Improved end-of-life reuse and recyclability.
- Improved tyre wear.

“Coaster has been pushing the limits of what’s possible in e-mobility and leading the way in innovative solutions for last-mile delivery providers,” said Jesse Bartholomew, vice president Product for Coaster Cycles. “The Michelin airless radial tyres will help our customers make safer, more efficient, and faster deliveries with no down-time. We’re proud to partner with Michelin on such an exciting project.”

A MICHELIN X Tweel airless radial tyre is a single unit that replaces the current tyre and wheel assembly. There is no need for complex mounting equipment, and once they are bolted on, there is no air pressure to maintain. The unique energy transfer within the poly-resin spokes helps reduce the “bounce” associated with pneumatic tyres, while providing outstanding handling characteristics.

They are designed to perform like pneumatic tyres, without the inconvenience and downtime caused by flat tyres.

Although this particular solution is not yet commercially available, the MICHELIN X Tweel portfolio of airless solutions for skid steers, golf carts, UTVs, and mowers is available for online sale or through the MICHELIN Tweel dealer network.

About Michelin:

Michelin, the leading mobility company, is dedicated to enhancing its clients’ mobility, sustainably; designing and distributing the most suitable tyres, 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 tyre



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production facilities which together produced around 170 million tyres in 2020. www.michelin.com

More information on how Michelin assists transport businesses achieve its sustainability goals and run more efficiently can be found at business.michelin.co.uk.

About Coaster Cycles:

[Coaster Cycles](#) is helping change logistics and transportation with a one-of-a-kind, last-mile delivery solution. Headquartered in Bonner, Montana, Coaster Cycles is committed to providing a revolutionary alternative to shipping and service needs.

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