

## **Continental Wins Prestigious Tire Technology Award with Tire Concept for Electric Robotaxis**

- **Prestigious Tire Technology Award goes to Continental for its innovative C.A.R.E. concept**
- **Tire concept for future electric mobility solutions opens a window on how the digitalization of tires can contribute to the environmentally compatible mobility of the future**
- **Jury praises Continental for its combination of innovation, IT and inspired engineering**

Hanover, October 2020. The jury of the “Journey to Automation” award presented by the European Rubber Journal (ERJ) has named Continental the Overall Winner in the award’s six categories and winner of the prestigious Tire Technology Award. The UK-based trade journal honored Continental for its Conti C.A.R.E. tire concept for future electric mobility solutions.

Conti C.A.R.E. (Connected. Autonomous. Reliable. Electrification.) is a wheel/tire concept which, with its Cloud-based connectivity, offers fleet operators a particularly efficient means of mobility management. Fleets of autonomous electric taxis are a case in point, playing a key role in many concepts of the environmentally compatible mobility of the future.

The jury praised Continental for its successful blend of innovation, IT and inspired engineering. The project was also commended for embracing “a proactive approach to meeting OEM requirements with technology-leverages that should have significant impacts on the wider automotive industry,” writes the ERJ. The award was presented at a virtual ceremony in mid-September.

Conti C.A.R.E. tires feature sensors built into the structure of the tire and connected to the Cloud. These sensors generate and constantly evaluate data on tread depth, possible damage, tire temperature and tire pressure. Known as ContiSense, this control system transmits data to the Cloud in real time. Using this data, the ContiConnect Live IT tool facilitates efficient mobility management for fleet operators. At the same time, passengers enjoy a very comfortable ride, as with Continental's SilentWheel concept the wheel rim reduces the vibrations generated while driving.

The jury also commended the notion of actively adjusting the tire pressure by means of centrifugal pumps built into the wheel. As the vehicle accelerates, the centrifugal forces within the wheel act on the pump to generate compressed air. This PressureProof technology keeps the tire pressure constantly within the ideal range and helps achieve a sustainable drop in CO<sub>2</sub> emissions. Any excess compressed air is stored in an integrated tank. PressureBoost technology uses this air to rapidly adapt the tire pressures to various driving scenarios. As a result, autonomous electric taxis can increase their tire pressure to carry heavier loads and act as cargo carriers outside peak periods.

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2019, Continental generated sales of €44.5 billion and currently employs more than 230,000 people in 59 countries and markets.

The Tires business area has 24 production and development locations worldwide. Continental is one of the leading tire manufacturers with more than 56,000 employees and posted sales of €11.7 billion in 2019 in this business area. Continental ranks among the technology leaders in tire production and offers a broad product range for passenger cars, commercial and special-purpose vehicles as well as two-wheelers. Through continuous investment in research and development, Continental makes a major contribution to safe, cost-effective and ecologically efficient mobility. The portfolio of the Tires business area includes services for the tire trade and fleet applications, as well as digital management systems for tires.

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### Contact for journalists:

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Klaus Engelhart  
Press Spokesman, PLT/Two-Wheel Tires, Germany, Austria & Switzerland,  
Communications and PR,  
Passenger Car Tires  
Continental Reifen Deutschland GmbH  
Phone: + 49 (0) 511 938 22 85  
E-mail: klaus.engelhart@conti.de

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