

## Focus on VECTO: Tires for a Sustainable Transport Sector

- **Tires provide a lever for cutting CO<sub>2</sub> emissions and boosting fleet efficiency**
- **Rolling resistance influences fuel consumption and CO<sub>2</sub> emissions**
- **Choosing the right tires helps reach EU emissions targets**

Hanover, February 24, 2021. The EU Emissions Regulation has been in force since August 2019. The clock is running. CO<sub>2</sub> emissions must be radically reduced by 2030. In order to ensure that the targeted reductions are achieved in practice, the European Commission has introduced the VECTO simulation tool. Continental regularly updates and adds to the detailed information about VECTO on its website. The manufacturer of premium tires provides insights into the EU Regulation and what it means for the logistics sector and the aftermarket. Visitors to the site also learn how VECTO works and discover the part that tires can play in cutting CO<sub>2</sub> emissions.

### **Get to know the challenges and help cut CO<sub>2</sub>**

A fleet's carbon dioxide emissions are directly related to its fuel consumption and the rolling resistance of its tires. Rolling resistance is one of the main factors affecting fuel costs. It can account for as much as 30 percent of total fleet operating costs. What exactly rolling resistance is, which factors influence it, and which other tire parameters it affects, is all explained by Continental on a dedicated [microsite](#). An illustrative, easy-to-understand [video](#) explains how rolling resistance helps save fuel and thereby reduce emissions. The choice of tires is a crucial lever for truck manufacturers and fleet operators in their efforts to attain the EU's ambitious emissions targets.

To enable the manufacturers and operators to hit these targets, the European Commission has joined forces with the University of Graz to create the [VECTO simulation tool](#). VECTO can simulate the CO<sub>2</sub> emissions and fuel consumption of individual truck configurations. Continental has the answers to the key questions here, explaining how VECTO works, which vehicles the tool is suitable for and how the tires can help reduce fuel consumption and total fleet operating costs.

**Tire Finder helps identify the right tires**

With its new Tire-Finder, Continental is offering customers a very special service: This platform helps fleet managers choose the right tires for their long-haul or regional distribution operations. The core requirements of their fleet are analyzed in two steps, before the Tire Finder recommends a suitable tire line. In the first step, the tool distinguishes between the fuel efficiency and mileage of the tires. The second step takes their everyday mission profile into account: Do they operate mainly on motorways or regional roads? Does the truck mostly handle long-distance haulage or short-haul delivery work? The Tire Finder informs the customer about the tire portfolio and the characteristics of the different tires. The customer then decides which type of tire is the best fit for their business.

**Background: CO<sub>2</sub> emissions and VECTO**

According to EU data, 25 percent of CO<sub>2</sub> emissions from road transport across Europe are generated by heavy-duty vehicles. Along with tire pressures, vehicle configuration and load distribution, the rolling resistance of the tires is of decisive importance in terms of fuel consumption and thus the level of CO<sub>2</sub> emissions. In accordance with the 2019 European Regulation setting CO<sub>2</sub> emission performance standards for new heavy-duty vehicles, vehicle manufacturers must cut the CO<sub>2</sub> emissions of their vehicles covered by the Regulation by 15 percent by 2025 and by 30 percent by 2030, compared in each case to the reference year July 2019 to June 2020. You will find Continental's VECTO microsite [here](#).

**Continental** develops pioneering technologies and services for sustainable and networked 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 233,000 people in 59 countries and markets. In 2021, the company celebrates its 150th anniversary.

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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**Photos and captions**



Chart showing the impact of rolling resistance as one of the key factors in saving fuel and cutting fleet operating costs efficiently.

Continental\_PP\_Infographic\_1

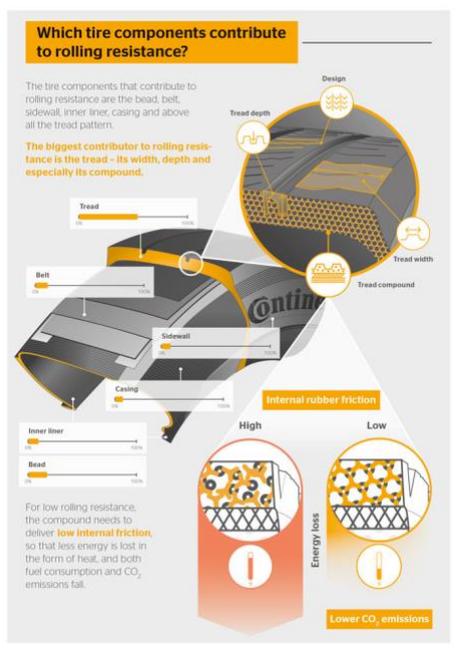
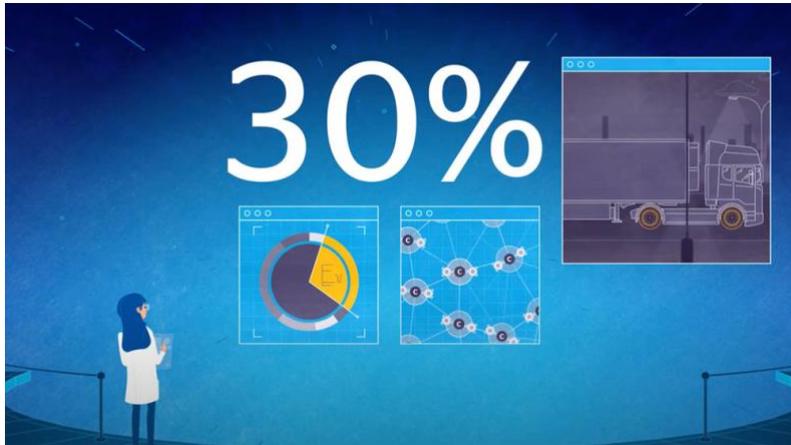


Chart showing the impact of the various tire components on the rolling resistance.

Continental\_PP\_Infographic\_2



Continental\_PP\_Video\_Rolling\_Resistance

In this [video](#), Continental illustrates how the rolling resistance helps cut CO<sub>2</sub> emissions.