

## **Continental CST launches ContiPressureCheck™-system for specialty tires**

- **Tire pressure monitoring system ContiPressureCheck™ is now available for specialty tires**
- **Innovative technology enhances the safety and efficiency of vehicle fleets in ports and other industry sectors**

Hanover, 2 September 2014. Slow and continuous loss of tire pressure is one of the most common causes of tire punctures in port logistics and other goods handling locations. The consequences of tire damage and the resulting vehicle breakdown are enormous: high costs for fleet managers and significant problems in the supply chain are just a few of them. Continental Commercial Specialty Tires (CST) provides a remedy: the division has unveiled the proven Continental tire pressure monitoring system ContiPressureCheck™ for specialty tires. The innovative technology is reliable and prolongs the tire's useful lifetime. The tire pressure monitoring system can be mounted on almost all types of industrial vehicles. Another advantage is that the system works with pneumatic tires from all tire manufacturers.

"Regular maintenance checks on the tire pressure are time-consuming and cost-intensive, and therefore often neglected – with serious consequences", says Dr. Michael Maertens, Managing Director of Continental CST. "With the introduction of ContiPressureCheck™ for specialty tires, we offer our customers a cost-effective alternative for measuring the tire pressure that also increases the efficiency and the safety of vehicle fleets in all industrial sectors. The technology is yet another customized solution extending our portfolio that meets the requirements of our customers and reduces costs."

## **Innovative technology inside the tire**

In contrast to comparable systems, ContiPressureCheck™ is used inside the tire. The tire pressure monitoring system is thus deployed where a lack of inflation pressure has an immense impact. If the inflation pressure decreases, the tire might be subjected to greater stress as it rolls, causing it to heat up. Heavy loads, as they occur in port logistics, increase the loading quite considerably. This can damage the tire or, in worst case, lead to a blowout.

ContiPressureCheck™ uses a sensor inside the tire to continuously monitor the inflation pressure and tire temperature to prevent this from happening. The sensors and a communication and processing system are integrated into a module fitted with a rubber container to the inner surface of the tire. In this way, more accurate results can be achieved than with comparable systems that collect data with sensors outside the tire. Here, measuring errors can occur due to heat radiation of the brakes. The data is sent by wireless transmission to the central receiver (central control unit – CCU), which processes the data and sends them directly to the display in the driver's cab. The difference between the stipulated and actual tire pressures shows the driver immediately when to restore the correct tire pressure.

## **Versatile capabilities and advantages**

Whether in harbors, at airports or in underground mining: ContiPressureCheck™ can be retrofitted to different specialized vehicles types and trailers – regardless of the vehicle size, since the sensor and receiver can be positioned flexibly. Also, vehicles with a high unladen weight, such as heavy forklifts or straddle carriers, can be equipped with the tire pressure monitoring system from Continental. ContiPressureCheck™ is quick and easy to install, enabling rapid deployment and short downtimes in daily operation. This is particularly advantageous in harbors, where fast loading times are important. Due to automatic monitoring of the tire pressure, the risks of blowout accidents are reduced. This offers more safety for both driver and vehicle. A correct tire pressure is also important from an economic point of view: It not only leads to lower energy consumption of the vehicles, but to an increased mileage capability. Fleet operators can significantly reduce their operating costs and increase the efficiency of their fleets by using ContiPressureCheck™. At the same time, the environmental impact is downsized, since CO<sub>2</sub>-emissions are reduced and the life of the tire is extended.



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**Picture text:**

**ContiPressureCheck™**

The proven tire pressure monitoring system ContiPressureCheck™ from Continental is now available for specialty tires in ports and further industry sectors.

**More pictures available upon request.**

With sales of around €33.3 billion in 2013, **Continental** is one of the world's leading automotive suppliers. As a provider of brake systems, systems and components for powertrains and chassis, instrumentation, infotainment solutions, vehicle electronics, tires, and technical elastomers, Continental contributes to enhanced driving safety and global climate protection. Continental is also an expert partner in networked automobile communication. Continental currently employs around 186,000 people in 49 countries.

As one of the world's leading tire manufacturers, with more than 42,000 employees, the **Tire division** achieved sales of €9.7 billion in 2012. Today, the division has 22 production and development locations worldwide. The broad product range and continuous investments in R&D make a major contribution to cost-effective and ecologically efficient mobility.

The **Commercial Vehicle Tire** business is one of the largest manufacturers of truck, bus and commercial specialty tires worldwide.

Continental's Tire Division is an **Official Sponsor** of the German DFB Cup, 2014 FIFA World Cup™ in Brazil and the UEFA EURO 2016™ in France.

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