To get the best value from your tyre investment, continuous tyre monitoring is essential because it helps to:

**Maximise uptime and productivity:** Unexpected vehicle stoppages and repairs due to tyre incidents generate high breakdown costs and impact operational output.

**Improve operational efficiency:** Continuous maintenance of vehicles and their individual components is required, but manual methods incur labour, administration costs and are subject to human error.

**Extend tyre life and performance:** Inappropriate tyre pressures and tyre wear can significantly impact tyre performance and operating hours. Poor maintenance leads to shorter tyre life, more frequent renewals, and reduced retreadability.

**Meet sustainability and fuel-efficiency targets:** Under-inflation of tyres or irregular tyre wear can lead to higher fuel consumption and increased CO₂ emissions, a problem that is exacerbated by rising commodity prices and even stricter legislation.

**Improve safety:** A minor tyre issue or irregular tread depth can have a large impact on the safety of your drivers and assets.

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**But tyre management is a significant daily challenge for commercial fleets.**

How do you manage servicing, maintain quality, and simplify admin? How do you keep your trucks on the road and keep your drivers safe – whilst also controlling costs?

Some of Europe's largest and most efficient fleets get their answers from the **Goodyear CheckPoint.**

If your vehicles return frequently to your yard, it is an easy, automated way of accurately checking your tyre and vehicle parameter in seconds.
Goodyear CheckPoint is a connected, yard-based drive-over tyre inspection system that reads the tyre condition and vehicle parameters in seconds.

A hi-tech ground-based plate equipped with special sensors and cameras automatically measures and analyses the tyre tread depth, tyre pressure and axle* and vehicle load* in just a few seconds. The embedded design paired with RFID or license plate recognition technology allows dynamic and rapid inspections of large quantities of vehicles.

Combined with our user-friendly display terminal and mobile and web applications, Goodyear CheckPoint provides an instant display of your tyre condition allowing proactive monitoring and preventive maintenance of your fleet.

**Goodyear CheckPoint consists of:**

**VEHICLE IDENTIFICATION SYSTEM**

- Automatic license plate recognition via special cameras.
- RFID-based vehicle identification (optional).

**INNOVATIVE SENSOR TECHNOLOGY**

- Automated drive-over measurement.
- Automatic data transfer to Goodyear cloud and display terminal.
- **Tread depth** analysis in seconds via incorporated laser triangulation and optical measurement.
- **Tyre pressure** display calculated by a combination of tactile pressure sensors and the vehicle footprint.
- **Load** sensors automatically determine the total vehicle weight and weight of each axle.

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* Only available with the in-ground version of the Goodyear CheckPoint. 90% of all measured values are within a tolerance of +/- 5%. Maximum crossing speed 2-10km/h.

** To ensure optimized tread depth reading, optical measuring units must be clean and freely accessible. Measurement tolerance = 0.3mm. Referring to road traffic regulations main profile grooves are measured, which are lying within 75% of the tyre width. The smallest value will be displayed. *** After the optimization process on a closed fleet, 90% of all measured values are within a tolerance of +/- 0.66 bar. Specified measurement range (1-10 bar). Requirements: minimum load = 500kg per wheel.
HOW IT WORKS

STEP 1: DYNAMIC DRIVE-OVER
Instantly check your tyre and vehicle parameters by driving straight through the dedicated measurement zone.

STEP 2: DATA COLLECTION
Ground mounted sensors collect the tyre pressure, remaining tread depth, axle load* and total vehicle weight* in seconds. All coupled with a time stamp and individual vehicle identification.

STEP 3: GOODYEAR CLOUD
Sensor and vehicle data are immediately captured by the system and transferred to the Goodyear cloud for intelligent analysis.**

STEP 4: INSTANT RESULTS
Instant display of your tyre condition and vehicle parameters via the display terminal or mobile and web applications – allowing proactive monitoring and preventive maintenance of your fleet.

FEATURES & FUNCTIONALITIES:

- TYRE PRESSURE
- TREAD DEPTH
- TYRE WEAR
- AXLE LOAD* & TOTAL VEHICLE WEIGHT*
- VEHICLE IDENTIFICATION
- REMOTE DATA ACCESS (24/7)**
- ALERTS & REPORTS

* Only available with the in-ground version. ** For a continuous data transmission to the Goodyear cloud, a reliable mobile network coverage is required.
**INSTANT ACCESS TO YOUR FLEET**

**IMPROVE MAINTENANCE EFFICIENCY WITH OUR POWERFUL TOOLSET WHICH HELPS YOU TO MANAGE YOUR FLEET YOUR WAY**

**GOODYEAR FLEETHUB – WEB AND MOBILE APPLICATION**

**YOUR FLEET AT A GLANCE**

- **ONE DASHBOARD:** One dashboard providing you with an instant overview of your fleet’s tyre condition.
- **VEHICLE DETAILS:** Access your fleet’s tyres and vehicle details. Identify which tyre is affected or needs replacing.
- **FLEET INSIGHTS:** Detailed analysis and inspection results help you to take the right actions and improve your fleet efficiency.
- **ALERTS:** Get notified and receive pressure alerts when a tyre needs urgent maintenance.
- **CUSTOMISED REPORTS:** On-demand or prescheduled reports enable you to efficiently plan your tyre maintenance.

**THE GOODYEAR APPLICATIONS AND WEB PORTAL ARE CURRENTLY AVAILABLE IN 8 LANGUAGES.**

**GOODYEAR DRIVERHUB – MOBILE APPLICATION**

**INSTANT ACCESS TO YOUR VEHICLE DATA**

- **ONE APP TO ASSIST YOUR DRIVERS:** Specifically tailored to drivers, the app provides information on the vehicle’s tyre condition each time the vehicle drives over the plate.
- **KNOW WHAT IS GOING ON:** Alerts and notifications immediately inform you if a change in tyre pressure and/or tread depth is detected.

**DISPLAY TERMINAL (OPTIONAL)**

**INSTANT DRIVER ACCESS TO VEHICLE DATA**

A user-friendly dashboard and printouts provide actionable data on the vehicle’s tyre condition and parameters. Coloured LED’s and alerts warn immediately if a tyre is under-inflated, has insufficient tread depth or the vehicle is overloaded*. 

* Only available with the in-ground version.
BENEFITS AND ADVANTAGES*

- Optimised tyre and vehicle maintenance.
- Reduced vehicle downtime and reduced breakdown costs.
- Reduced manual interventions and labour costs.
- Extended tyre life, improved performance and increased retreadability.
- Improved fleet management.
- Increased customer satisfaction.
- Greener and leaner fleet management with reduced fuel consumption and CO₂ emissions.
- Increased safety.
- Reduced penalties for overload and late deliveries.

*These benefits and advantages can be experienced by Goodyear customers but are not guaranteed. The benefit realisation depends on proper preventive maintenance based on the information provided by the solution.

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