

Continental 
The Future in Motion



Connect your tyres.

Benefits of digital tyre monitoring.



Down and Out of pocket?

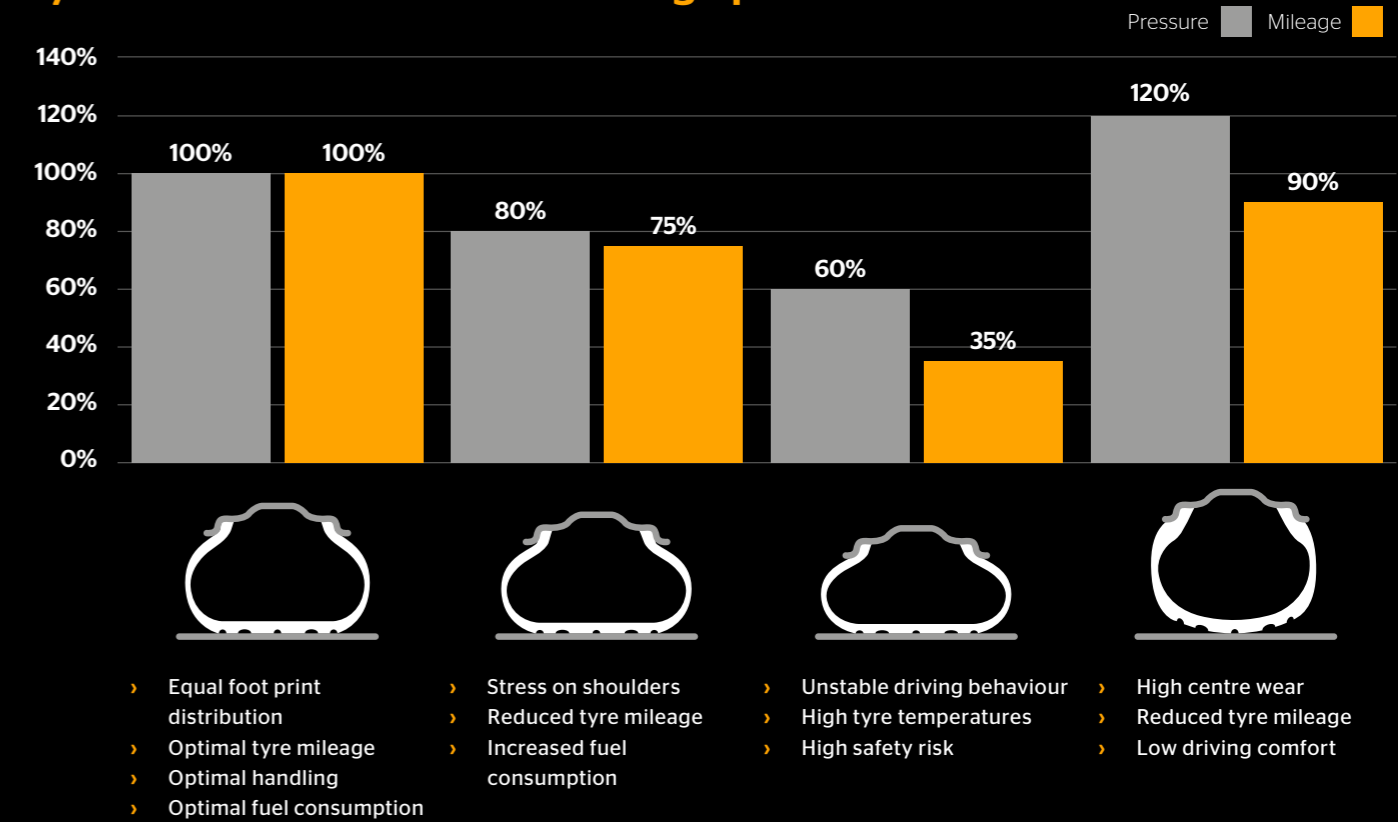
Digital tyre monitoring will make your vehicles more profitable and safe. Tyre failure and blow-outs are among the most frequent breakdown causes for commercial vehicles. Trouble often starts with creeping loss of air pressure, and if the problem goes unnoticed a blow-out occurs. So, if you want to keep your business moving, keep your tyres rolling.

ContiPressureCheck™ and ContiConnect™ will provide you with accurate tyre status information - and help prevent unplanned downtimes.

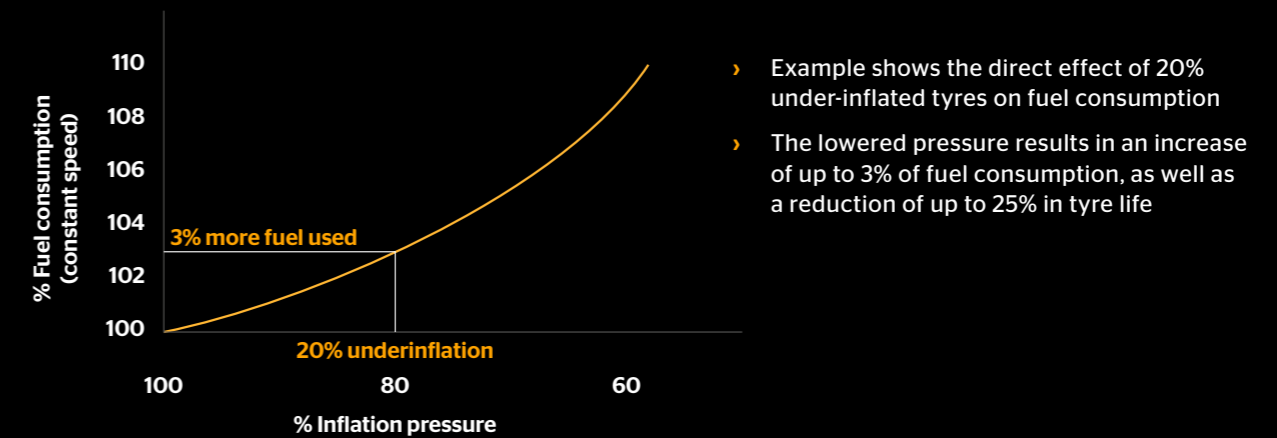
Low pressure causes low lifetime

The digital monitoring leads to better cost efficiency. The optimum tyre pressure saves fuel and energy, enhances tyre life and thus reduces replacements costs for an improved total cost of ownership.

Tyre Pressure Influence on mileage performance

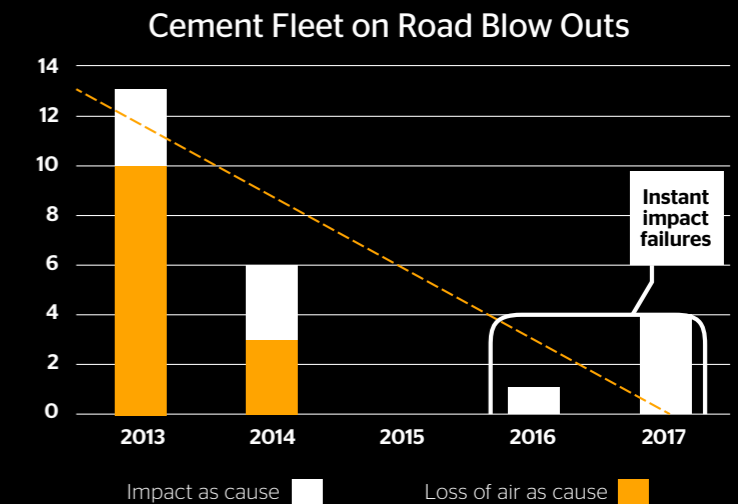


Effects on fuel consumption



Reduction in Blow-outs - Due to the fitment of CPC

- Example from a customer who ran a fleet of 50 vehicles being fitted with the CPC sensors over a time frame of 5 years.
- A reduction on blow-outs was almost immediate with the installation of the tyre monitoring system, resulting in a 70% decline in air pressure related blow-outs in the first year, and the total elimination of the same in the following year.
- The remaining blow-outs were related to instant impact failures, which could result from forceful handling of the vehicle (i.e. hitting curbs)



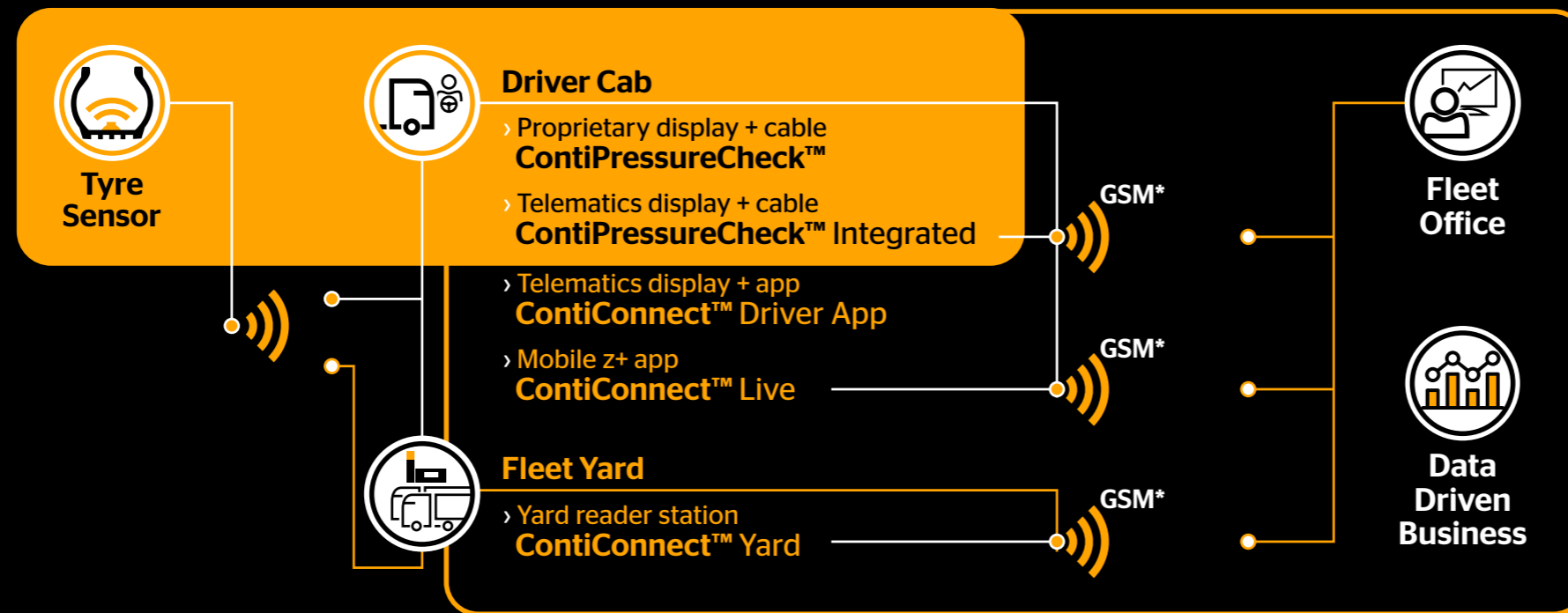


ContiPressureCheck™

Single Vehicle Monitoring

ContiPressureCheck™ provides drivers with precise status information by continually monitoring air pressure and temperature via the tyre sensor. The system displays data in the drivers cab and warns before a condition becomes critical. ContiPressureCheck™ is a complete, driver focused system for single vehicles and can be integrated into third party telematics solutions.

ContiPressureCheck™ Integrated
The tyre-pressure measuring system for individual vehicles can be integrated into an on board telematics system allowing effortless introduction into the vehicle.



ContiConnect™

Multiple Vehicle Solution

ContiConnect™ takes digital tyre monitoring to the next level. The solution conveniently connects multiple vehicles and helps fleet managers switch from inflexible manual service routines to targeted in-time maintenance. Tyre issues are immediately identified upon return to the fleet yard or in real-time with telemetry providers.

ContiConnect™ Light is the ideal entry level solution for drivers. It displays tyre pressure and temperature via the Hand- Held tool, while allowing manual data upload later on to the ContiConnect™ web portal.

ContiConnect™ Live provides real time online integration with the web portal and is compatible with multiple telematics providers/devices.

ContiConnect™ Yard receives all tyre data whenever your trucks return to the yard. The yard reader station wirelessly picks up the sensor data and transmits it to the ContiConnect™ web portal via cellular network.

*Transmission via GSM = Global System for Mobile Communications

Built for on and off road.

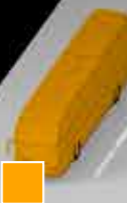
Tyre monitoring, as versatile as your business

Whether you operate a single earthmover or a large fleet of heavy trucks: Digital tyre monitoring with ContiConnect™ and ContiPressureCheck™ provides drivers, fleet managers and maintenance staffs with all they need to know to keep the flow. The systems are scalable and adaptable to suit diverse requirements.

DRIVER SAFETY

In the cab, right in-time

ContiPressureCheck™ delivers continuous driver feedback via in-cab display (or a Bluetooth-enabled Android device) and warns before problems arise.



WEAR OPTIMISATION

Reducing your costs

Contilogger cuts your costs, allowing for the remote monitoring of data and continuous optimisation of tyre usage, loading and routing.



LIFECYCLE OPTIMISATION

Don't crash the bottom line

Under-inflation or overheating cause almost 90% of all tyre breakdowns - optimise your tyre life cycle with tyre diagnostics!



PEAK PERFORMANCE

Uptime is what counts

Maxed out uptime and service only when appropriate - that's what drives profit!



INTELLIGENT TYRE

Get a precise perspective

With intelligent tyres you'll get an inside view on every tyre - pressure and temperature are constantly monitored. The sensor is available pre-installed with a new set of tyres, or can be retro-fitted any time in the tyre life cycle.



WEB PORTAL

With accuracy and acumen

View reports, access analytics, track tyre performance. The web portal allows convenient tyre monitoring especially for big fleets.

DATA TRANSFER

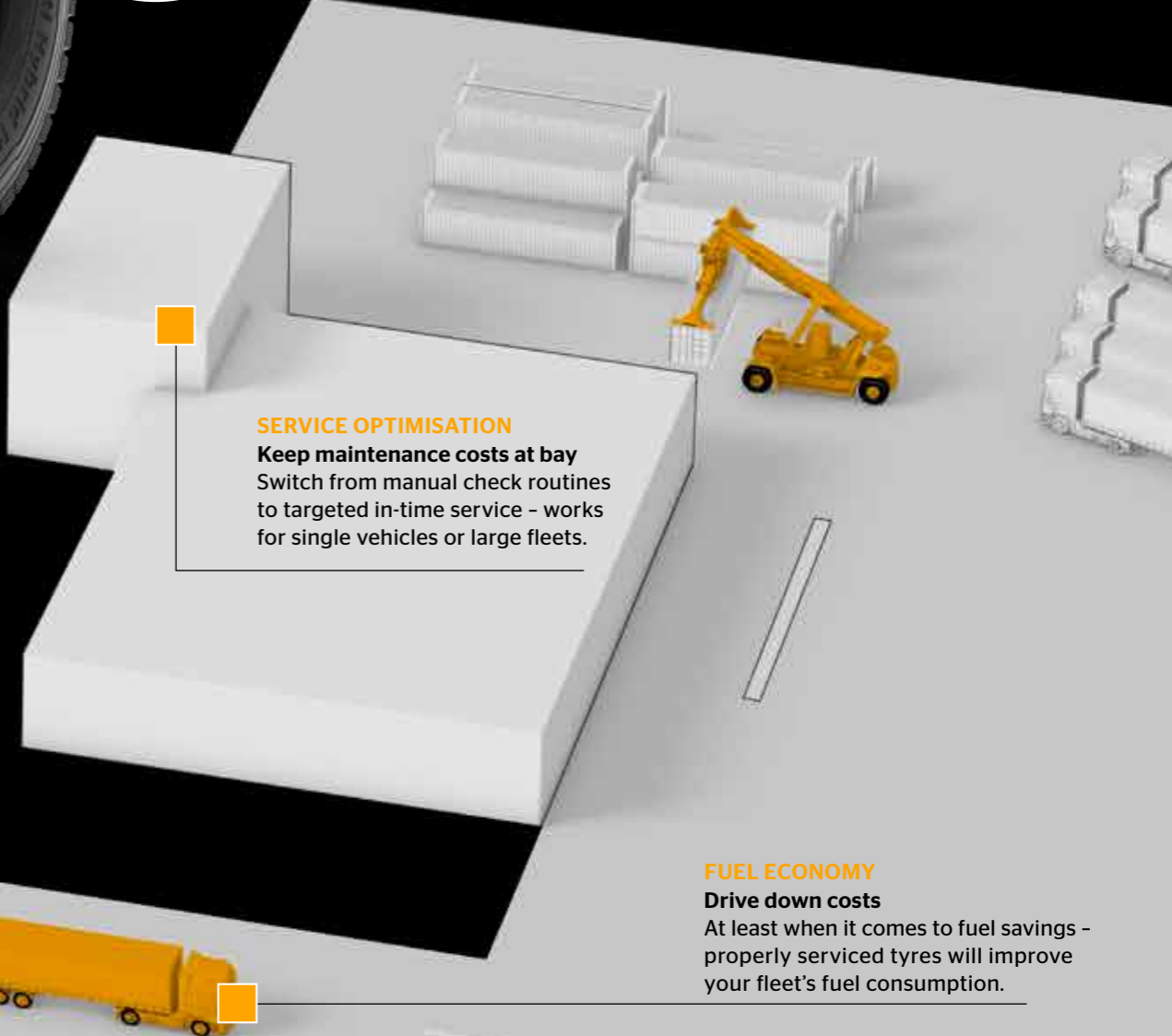
Detailed diagnostics, digitally delivered

Each intelligent tyre provides a rich stream of information - Identify issues in real time, upon return to the fleet yard, or online.

SERVICE OPTIMISATION

Keep maintenance costs at bay

Switch from manual check routines to targeted in-time service - works for single vehicles or large fleets.



FUEL ECONOMY

Drive down costs

At least when it comes to fuel savings - properly serviced tyres will improve your fleet's fuel consumption.



Don't just take our word for it.

Scottish Haulier, Smith of Denny, participated in a one year trial of the new yard based Tyre Pressure Monitoring System (TPMS), consisting of the new ContiConnect portal and Yard Reader Station. This allowed for automatic readings of tyre pressures in both the truck and trailer as they were leaving and entering the operator's yard.

'We fit CPC sensors to all our tyres, so the Yard Reader Station works across every vehicle we run, and results have been very accurate from day one. Based on tyre life and the impact on safety and fleet performance, it's an investment delivering worthwhile returns.'

Andrew Smith, Director.

The Yard Reader Station links directly to Continental Tyres' online management portal, ContiConnect, which can also be set up to send alerts via text and email to ensure users are aware of any issues as early as possible.

The biggest gain is the prevention of cost and elimination of downtime.'








Andrew Smith has been impressed with the value the Continental YardReader Station and ContiConnect have provided his business. 'Off-site, tyre related breakdowns have reduced dramatically, and the fact we are now running perfectly balanced tyre pressures across each rig has to be contributing significantly to fuel savings and enhanced overall performance.'

'We have the information we need to make instant decisions that can prevent a complete tyre failure, save on lost performance from poorly inflated tyres, avoid blow-outs and the ensuring critical downtime'

'We can spot things drivers couldn't, such as slightly low inflation levels or indications of a slow puncture'



Benefits of the CPC System

- 
 Maximises fuel efficiency
- 
 Achieves optimum tyre life
- 
 Optimises fleet management
- 
 Reduces problems
- 
 Ensures correct tyre inflation
- 
 Ensures uptime
- 
 Optimises vehicle handling



The benefits

Through the eyes of those who know best.

“ One of the major costs for our business both in time and money, has been tyre failures – specifically punctures. The first system we had simply did not provide enough accuracy to help us spot and save affected tyres, so we research alternatives and found ContiPressureCheck (CPC). We had been specifying Continental Construction tyres for some time and, as a premium product, it was important to us to pick up even slight initial pressure losses and possible puncture threats.

Keir Hamilton, Director of Hamilton Waste

“ We have had four slow punctures reported by the system since we started, allowing us to react immediately. It meant we could maintain the high safety standards we set ourselves, as well as allow our drivers to operate proactively and get to a service point before any lasting damage was done to the tyres.

George Whitelaw, Engineering Director

Benefits of the CPC System



Maximises fuel efficiency



Achieves optimum tyre life



Optimises fleet management



Reduces problems



Ensures correct tyre inflation



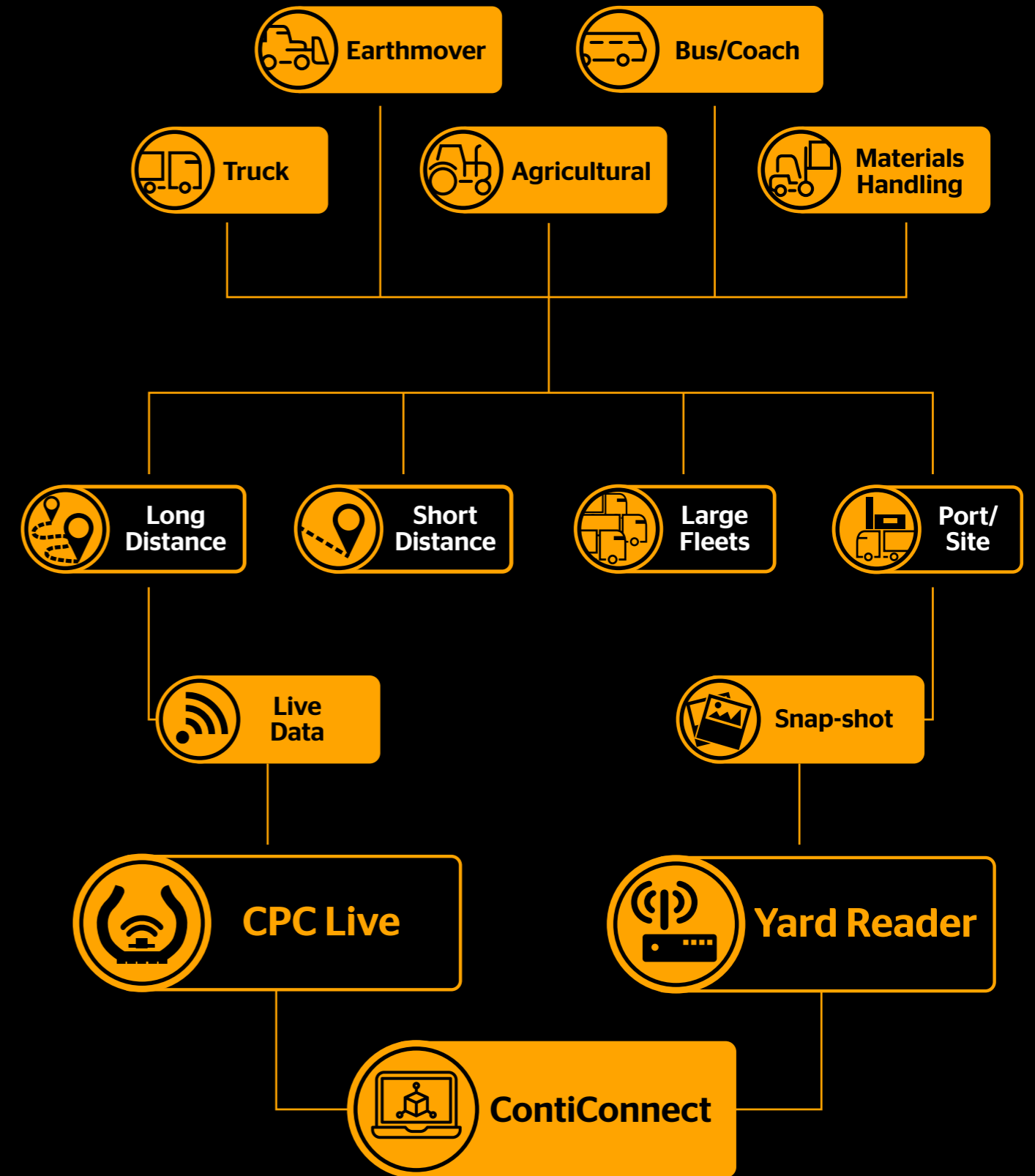
Ensures uptime



Optimises vehicle handling

Modular makes sense. Make your choice.

| | ContiPressureCheck™ Single Vehicles | | ContiConnect™ Multiple Vehicles | | |
|---|--|------------|------------------------------------|------|----------------|
| | Single | Integrated | Light | Yard | Live (planned) |
| Components | | | | | |
| 1 ContiPressureCheck™ display | ■ | | | | |
| In-vehicle telematics integration - proprietary | | ■ | | | ■ |
| In-vehicle telematics integration - Android app | | ■ | | | ■ |
| 2 ContiConnect™ web portal | | | ■ | ■ | ■ |
| Third-party platform integration | | ■ | | ■ | ■ |
| 3 Additional Receiver | | | | | |
| 4 Hand-held tool* | ■ | ■ | ■ | ■ | ■ |
| 5 Central control unit | ■ | ■ | | | ■ |
| Connectivity | | | | | |
| 6 Yard reader station | | | | ■ | |
| Telematics box | | ■ | | | ■ |
| Bluetooth dongle | | ■ | | | ■ |
| Cables | ■ | ■ | | | ■ |
| Tyres & sensors | | | | | |
| 7 Tyre sensor | ■ | ■ | ■ | ■ | ■ |



*ContiPressureCheck™ Light with Hand-held tool plus sensor

■ necessary hardware components ■ optional components

Component Guide.

How it all works.



1 Display in the driver's cockpit

- › Display shows the status of the tyre and indicates 7 different types of warnings and the related tyre position in the driver's cab



2 ContiConnect™ Web Portal

- › Browser-based web interface for access to data, statistics and reports.



3 Additional Receiver

- › Integrated antenna and receiver to be used if:
 - › Vehicle has an axle spread of more than 6m
 - › Vehicle has more than 3 axles
 - › A trailer is docked



4 Hand-Held tool

- › Initial configuration of entire system
- › Wireless communication with tyre sensors
- › Synchronises tyre sensors to each wheel position
- › Wired communication with CCU



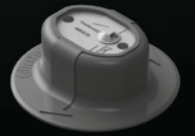
5 Receiver / Central Control Unit (CCU)

- › Receives and evaluates signals from tyre sensors
- › Generates warnings and provides them for display - Up to 24 tyres fitted on up to 6 axles



6 Yard Reader Station

- › The connectivity component that receives data wirelessly from the tyre sensor upon returning to the yard.



7 Tyre Sensor

- › Integrated tyre sensor with radio frequency transmitter - individual coding per running wheel.

Did you know?

- › Conti CPC is ADR approved, which means that the system is certified for emergency services and dangerous goods transport (i.e. fuel or chemical transport).
- › Conti CPC can extract reports from the system which can for example help with identifying the initial issue which may have caused a blow out.
- › The Conti CPC system is owned, developed and maintained within Continental.

To find out more,
visit us on www.continental-tyres.co.uk/truck



Continental Tyre Group Ltd

191 High Street

Yiewsley

West Drayton

Middlesex

UB7 7XW

www.continental-digital-solutions.com/uk

