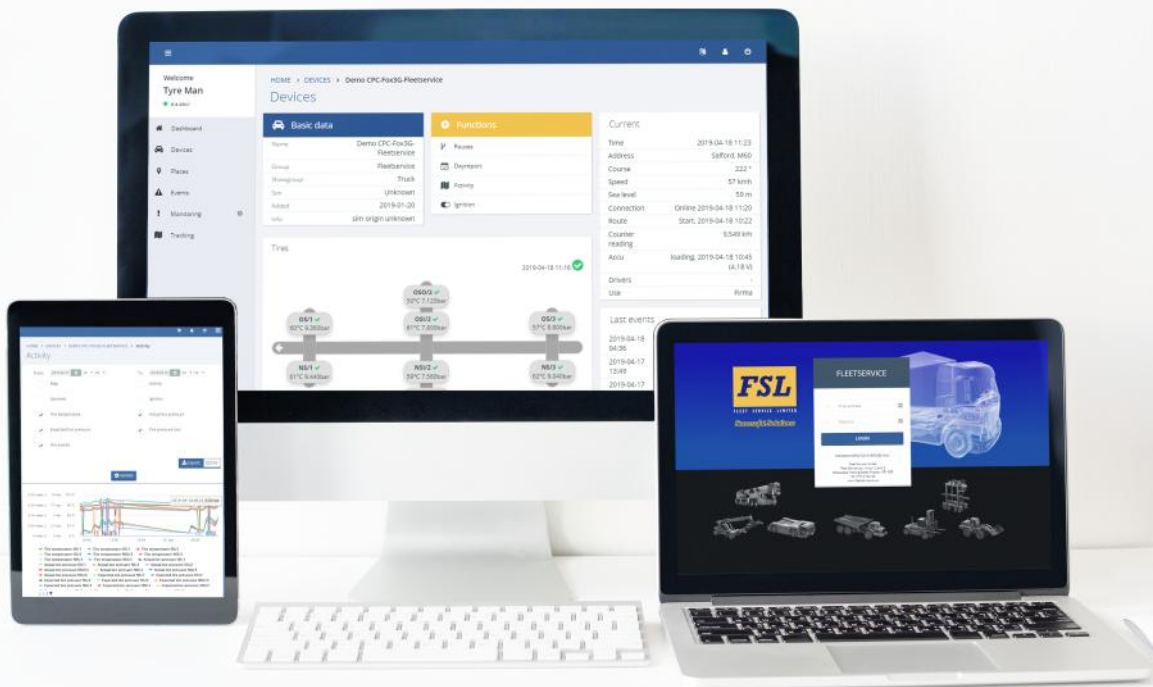


FSL

FLEET SERVICE LIMITED

Tyre Pressure Warning System



BESPOKE - ONLINE - REAL TIME

Successful Solutions

Maintaining correct tyre pressure: a simple solution

High operating costs can often be attributed to underinflated tyres. Due to the demands placed on drivers today, monitoring of tyre pressures does not always happen as frequently as it should. Our tyre pressure warning system continuously measures the pressure and temperature of all tyres on your vehicle – even when you are driving. This helps to save fuel and increase mileage. It also significantly reduces the risk of tyre failure, whilst maintaining the value of the casing, and thus the retreadability.

Sensors fitted inside each tyre provide drivers with real-time information on tyre status. Any irregularity noticed by the driver or fleet manager can be checked and corrected immediately. The system covers almost all combinations of fitment, from single axle trailer to six axle vehicle configurations with a maximum of 24 tyres. It is suitable for tractors, trailers, tractor/trailer combinations, as well as buses and coaches.

Actively reduce operating costs by up to £1,300 per vehicle a year* while improving driver and vehicle safety.

As well as in-cab driver alerts, integration into the FSLF3 connected telematic system ensures any alerts are also relayed back to the Company's office or Fleet Manager. This allows for early intervention prior to imminent failure.

This is an exclusive integrated system which combines real-time remote monitoring with a custom in-cab display screen. Alerts can be set to customers specific requirements and the software is written in house allowing FSL the flexibility to bespoke the package to each client's specific requirements.

Early intervention is the key to reducing failure and increased costs which come when assets are not available for use.

* savings based on 4 x 2 tractor with three-axle semi-trailer driving 140,000 km per year (assumed price of diesel: 1 € / l), including estimated costs (approx. EUR 700) for one tyre-related breakdown.



Tyre sensor:

All tyre sensors are mounted on the tyre inner liner inside a rubber housing (tyre sensor container) and continuously measure the tyre pressure and temperature.



Additional receiver:

The additional receiver can be used to receive sensor signals in challenging radio conditions.



Central Control Unit (CCU):

The CCU receives tyre sensor signals directly or via the additional receiver, evaluates the data and provides the status of all tyres to the display or the telematic systems.



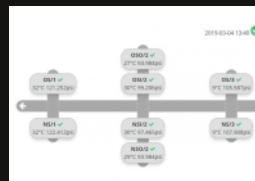
Display:

Fixed inside the cab, the display shows the tyre pressures and temperatures and warns the driver in the event of pressure loss.



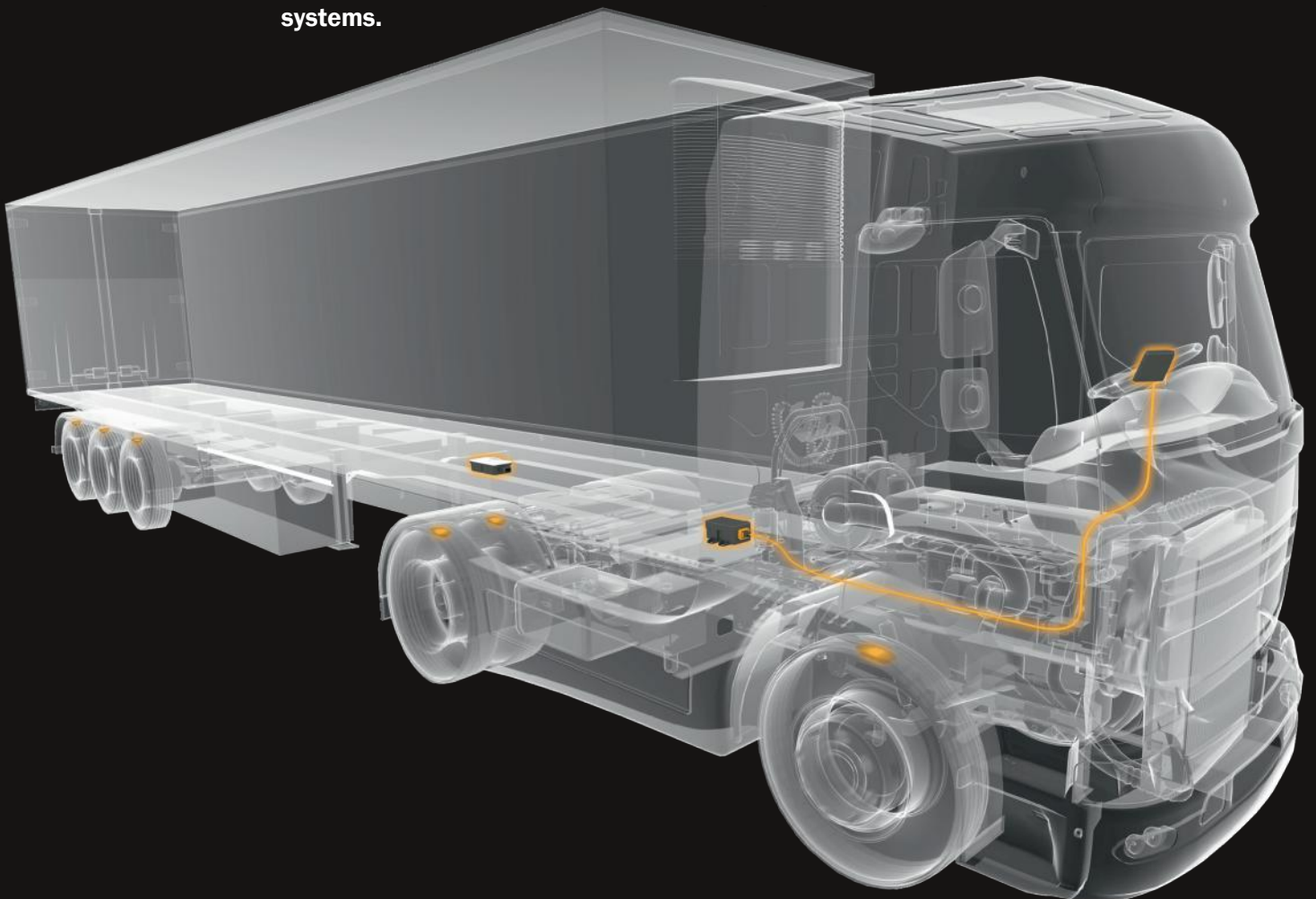
Telematics integration:

The FSLF3 system sends real-time tyre information through a cellular connection.



Fleet Service Portal:

This allows for remote live monitoring and analysis of tyre performance over time.





A tyre has to fulfil four main functions:

- » **To contain a volume of pressured air to carry the vehicle load**
- » **To transmit traction & braking forces to the ground**
- » **To provide directional stability while changing or maintaining direction of travel**
- » **To support the vehicle suspension and absorb shocks from uneven ground surfaces**

To fulfill these functions at an optimum level it is essential for any tyre to be correctly inflated at all times. An incorrect air pressure does not only reduce the tyre performance, but also the efficiency of your vehicle and therefore increases your costs.



Lower pressure causes lower lifetime.

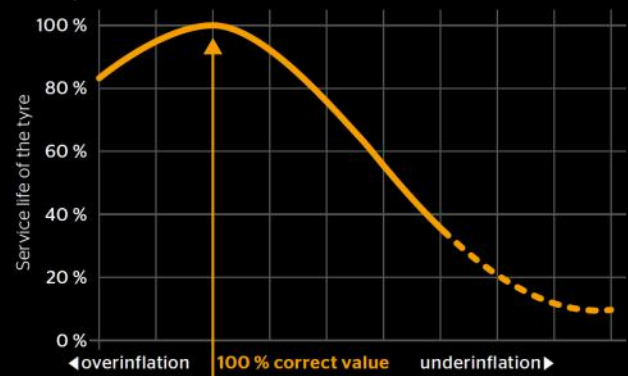
This example shows the effects on a tyre when operating at under inflation.

On a 18.00-33 dimension an 8% reduction of service life would result from running at 10 % below recommended tyre pressure.

Costs of under inflation = Tyre Price x 8 %,
Only 92 % of the design life is used.

Consequently, you will have much higher expenses for tyres, not including the fitment and service costs.

Example:

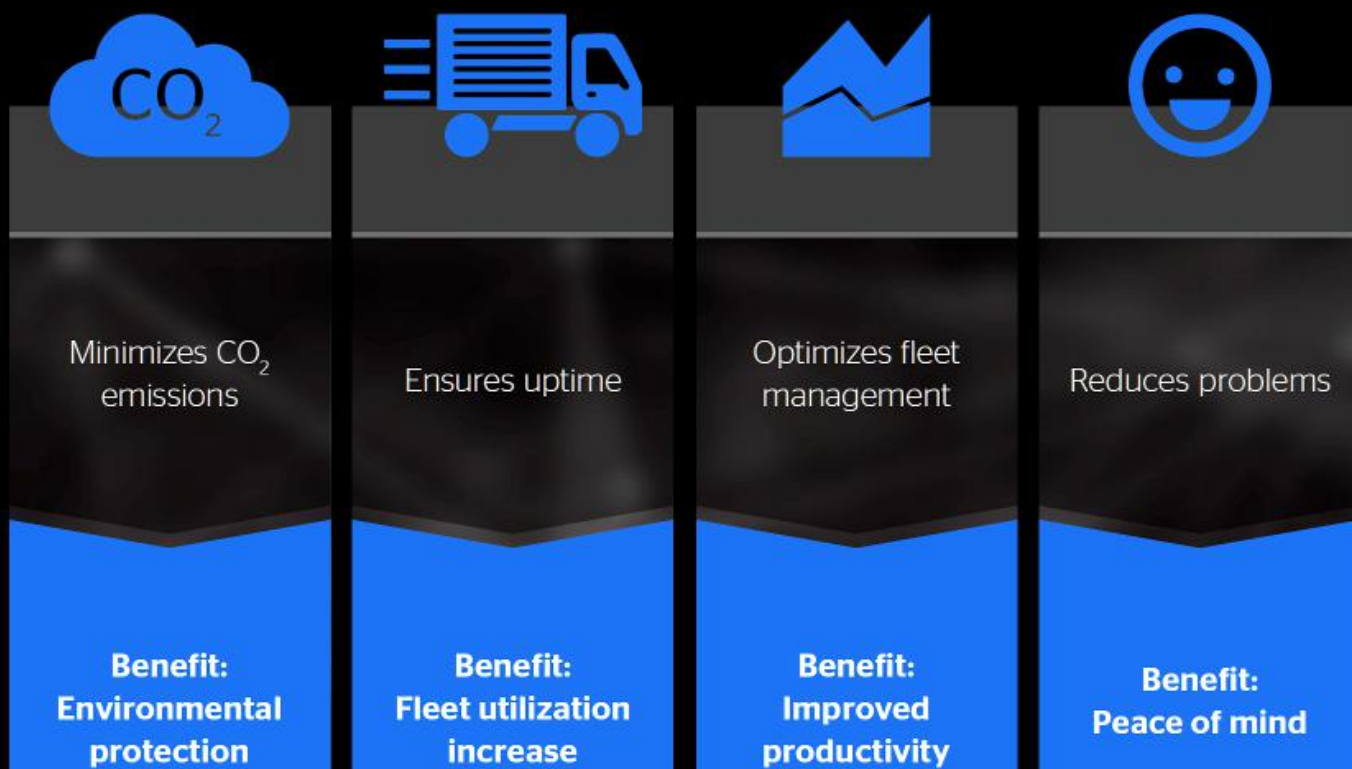


Don't be under pressure.:

This is where the tyre pressure warning system can provide an effective solution. A constant check on all the tyres – even while driving.

When transporting goods and heavy loads, the tyres of the vehicles are permanently under pressure, day in and day out. Driving on underinflated tyres in these conditions can soon cause tyre damage, which will lead to an increased fuel consumption, as well as endangering the driver, the vehicle and the goods being transported. For this reason, the tyre inflation pressure should be checked constantly.

These maintenance checks however, can only be performed at regular intervals, since they are highly time-consuming and costly. This means that very often underinflated tyres go unnoticed for long periods of time.





Ensures correct
tire inflation

Benefit:
Driving safety



Optimizes
vehicle handling

Benefit:
Driving safety



Maximizes
fuel efficiency

Benefit:
Fuel cost saving



Achieves
optimum tire life

Benefit:
Tire cost saving



Your Benefits:

Data Accuracy

Sensors inside the tyre provide drivers with real-time information, guaranteeing greater data accuracy than comparable systems. Measurement errors and influences of outside conditions are avoided.

Safety

By having an automated tyre pressure monitoring system persons to measure on site manually are no longer required. Furthermore the risks of accidents happening are minimized due to the reduction of breakdowns.

Improved productivity

The system reduces the risks of standstill and the probability of breakdowns. This will simplify your vehicle handling and optimizes your fleet management.

Reliability

ContiPressureCheck™ system helps avoid tyre related breakdowns which reduces downtime, increases vehicle availability and therefore increases productivity.

Cost Efficiency

ContiPressureCheck™ will save fuel costs, enhances the tyre lifetime and therefore reduces replacement costs.

Eco-friendly

Running the correct inflation pressure lowers fuel consumption, reduces tyre wear and CO2 emissions and as such protects the environment.

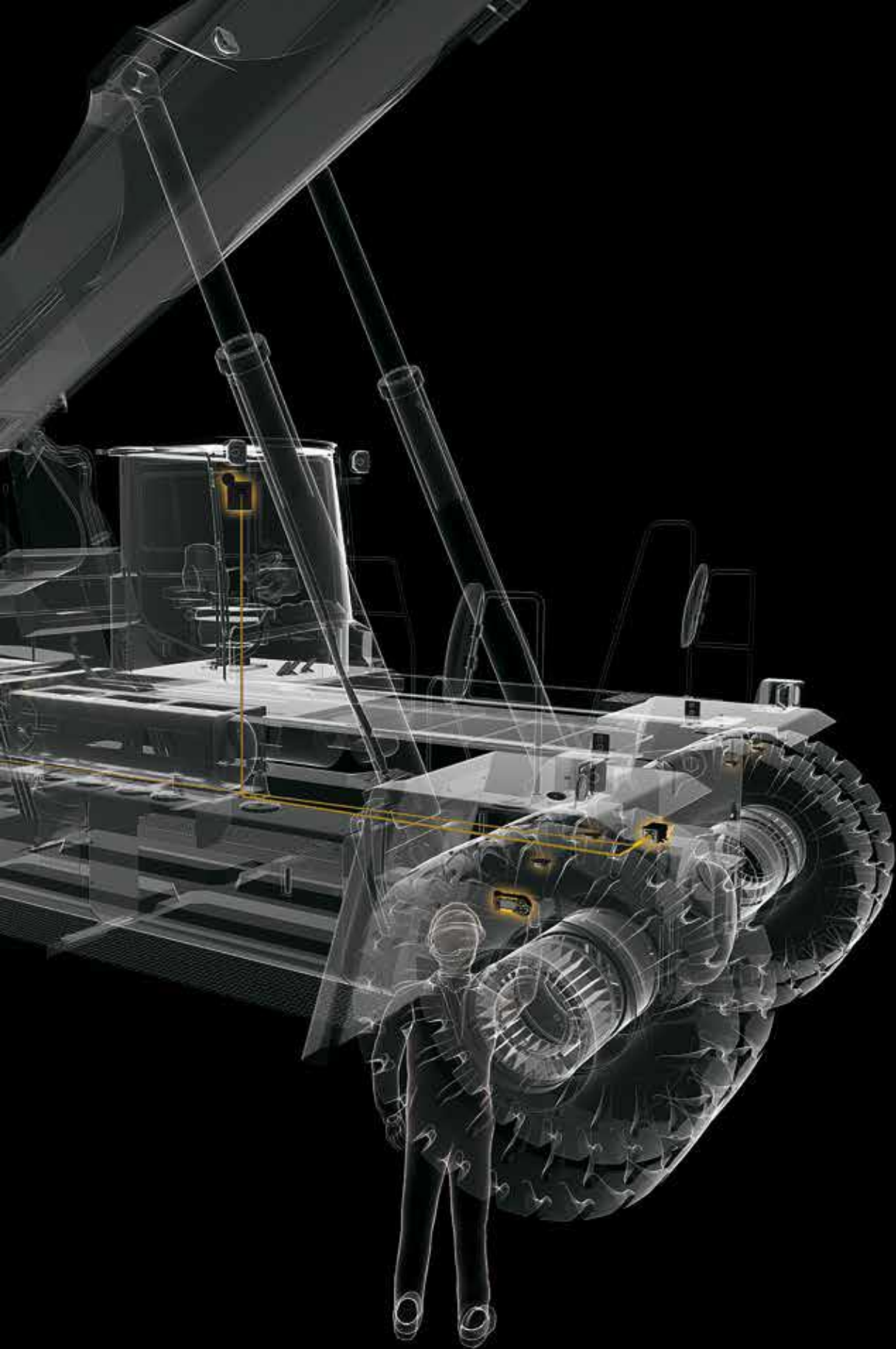
Versatility

ContiPressureCheck™ covers almost all combinations of fitment and can be mounted on different types of vehicles to a maximum of 24 tyres – regardless of the vehicle size.

Transparency

Continuously monitored inflation pressure and temperature prevents unexpected inflation pressure loss.







FLEET SERVICE LIMITED

**If you would like any additional information or to
arrange a demonstration visit please contact:**

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Successful Solutions