

Working smarter with your fleet's tyres – FAQs



TPMS + cellular connectivity + artificial intelligence = TyreWatch predictive tyre management

Frequently Asked Questions



Will TyreWatch work with all my commercial vehicles?

Yes, TyreWatch can work with every commercial vehicle in your fleet; from LCVs, HGVs, PSVs and industrial heavy plant – and everything in between.

Will TyreWatch work with different trailers?

Yes, it is designed to work with every trailer in your fleet. We recognise you run more trailers than tractor units, so the TyreWatch trailer controller will automatically connect to the tractor unit without the driver having to do anything.

Will TyreWatch work with every type of tyre?

Yes, we recognise you will run different tyre brands across your vehicles. TyreWatch can work with every brand and size of tyre – whether they are already fitted, new tyres or retread tyres. This maximises your flexibility to use the tyre brands of your choice.

Will the sensors need replacing when I change my tyres?

No, depending on application the sensors are either mounted inside the tyre by a secure band attached to the wheel rim, or externally as valve dust caps. This means TyreWatch sensors are not affected by the process of fitting new tyres. The sensors are designed to last three to five years, which is the lifespan of their internal batteries.

Will I need to program TyreWatch when I change a tyre?

If you remount the same wheel/valve dust cap to the same position there is no need to reprogram the sensor map on the TyreWatch server. This saves valuable administration time compared to some technologies where the sensor is mounted to the tyre.

Will TyreWatch improve road safety for my fleet?

Yes, TyreWatch will significantly reduce the incidence of avoidable tyre failure in your fleet – improving road safety for everyone. The Department of Transport advise that 40% of HGV accidents are due to tyre failure.

Where will TyreWatch monitor my tyres?

TyreWatch is designed to work with your vehicles for their entire journey. The sensors communicate with the controller in each vehicle, which then transmits tyre data to the TyreWatch server using hybrid cellular and satellite connectivity. This enables TyreWatch to detect issues where they're likely to happen – on the road whilst the vehicle is working. Naturally, it also works in your depots to assist with routine maintenance.

How will I know if there is a problem with my tyres?

The TyreWatch server analyses your tyre data every minute and uses Artificial Intelligence to accurately identify trends relating to tyre issues. These are communicated in real-time to the driver, your fleet management office and your tyre service provider so co-ordinated action can be provided. TyreWatch is proven to detect issues before they escalate – saving tyres, unexpected downtime and the cost of roadside breakdowns. Customers report that TyreWatch prevents 95% of tyre-related breakdowns compared with pre-installation statistics.

Will TyreWatch identify routine maintenance requirements?

Yes, the TyreWatch server holds a real-time pressure report for all the tyres in your vehicle fleet. This enables your maintenance team and tyre service provider to correct the pressures only in those tyres needing attention – saving time and money. We call this digital servicing by exception.

TyreWatch's trend analysis will report any slow punctures with a prediction of the time to critical. This enables your tyre service provider to safely repair the tyre in scheduled downtime.

Additionally, TyreWatch can report mechanical repairs. For instance, should two tyres on the same axle have correct pressures but one is running hotter than other, it could indicate a mechanical defect – such as a binding brake or uneven weight distribution.



Will TyreWatch save me money?

Yes, TyreWatch will make a positive return on your investment. According to research 20% of HGV tyres are under-inflated by 10%. This increases fuel consumption by 1% wasting fuel unnecessarily and accelerating tyre wear by 10%. A further 5% of HGV tyres are under-inflated by 20%, which increases these to 2% and 30% respectively.

TyreWatch is proven to help keep your tyres at the correct pressure – so you will reduce rolling resistance, minimising fuel consumption and maximising the service life of your tyres. Critically, this will optimise the handling, braking and stability of the vehicles in your fleet. It will also reduce your carbon emissions, helping your contribution to the environment.

Can TyreWatch integrate with the CANbus on my vehicles?

Yes, TyreWatch is designed to integrate with the CANbus in your vehicles so it can operate as though it was factory fitted.

For example, it could:

- use the existing OEM tyre pressure sensors
- display TyreWatch warnings on the driver information centre on the dashboard
- integrate with OEM load sensors to add load monitoring to the parameters that TyreWatch constantly analyses

TyreWatch will provide exactly the same benefits under white-label for all OEM and third-party telematic platforms. Additionally, your OEM service provider or in-house facility can benefit from TyreWatch diagnostic support during routine maintenance.

For maximum compatibility with global vehicle manufacturers, TyreWatch is designed to ISO 11898 and SAE J1939 CANbus standards.

Where is my TyreWatch data used?

We value the tyre data we collect from your vehicles and use it to provide unbiased analytics on tyre performance. This is used for the benefit of your fleet and for us to improve TyreWatch technology. As an independent company we are free of any manufacturer bias, which ensures we provide impartial reports on tyre performance across your fleet.

How secure is my TyreWatch data?

We take responsibility for your data very seriously. We employ sophisticated security protocols and will only share your tyre data and appropriate business data with your tyre service or vehicle maintenance providers.

Where can I get TyreWatch fitted?

We have a nationwide network of approved installers.



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