

Working smarter with your heavy plant tyres – FAQs



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

Frequently Asked Questions



Will TyreWatch PlantSmart work with every type of tyre?

Yes, we recognise you will run different tyre brands across your machines. TyreWatch PlantSmart can work with every brand and size of tyre – whether they are of radial or bias construction, 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 the sensors work with water ballasted tyres?

Yes, we have special IPX8 waterproof sensors for use with water ballasted tyres. The sensors are mounted inside the tubeless tyre on the wheel rim.

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 PlantSmart improve site safety for my machines?

Yes, TyreWatch PlantSmart will significantly reduce the incidence of avoidable tyre failure – improving site safety for everyone.

Where will TyreWatch PlantSmart monitor my tyres?

TyreWatch PlantSmart is designed to work with your machines all the time they are operational. The sensors communicate with the controller mounted in the machine which then transmits tyre data to the TyreWatch server using cellular connectivity. This enables TyreWatch to detect issues where they're likely to happen – whilst the machine is hard at work. Naturally, it also works in your maintenance areas 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 your plant management office and your tyre service provider so co-ordinated action can be provided. TyreWatch PlantSmart is proven to detect issues before they escalate – saving tyres, unexpected downtime and the cost of tyre failures. Customers report that TyreWatch prevents 95% of tyre-related breakdowns compared with pre-installation statistics.

Will TyreWatch PlantSmart identify routine maintenance requirements?

Yes, the TyreWatch server holds a real-time pressure report for all the tyres on every machine in your plant. 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.



Can I use my existing telematics platform to pick up machine tyre data?

Yes, TyreWatch PlantSmart can connect with your existing telematics platform to display machine tyre information.

Will TyreWatch PlantSmart save me money?

Yes, TyreWatch PlantSmart will make a positive return on your investment. TyreWatch PlantSmart is proven to help keep your tyres at the correct pressure – so you will reduce rolling resistance, maximising the service life of your tyres and minimising fuel consumption. Critically, this will optimise the handling, braking and stability of the plant in your plant. It will also reduce your carbon emissions, helping your contribution to the environment.

Where is my TyreWatch PlantSmart data used?

We value the tyre data we collect from your machines and use it to provide unbiased analytics on tyre performance. This is used for the benefit of your plant 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 plant.

How secure is my TyreWatch PlantSmart 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 provider and plant maintenance team.

Where can I get TyreWatch fitted?

We have a nationwide network of approved installers.



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