



TRELLEBORG

Trelleborg ATMS



Adaptive Tire Management System

The agricultural sector is evolving rapidly, generating a series of challenges and some excellent opportunities. With the help of smart farming, it is possible to capture and elaborate data using new and advanced technology. By adopting the new Trelleborg ATMS* a tractor will always work effectively according to the application. Through its sensors, mounted on a tire integrated support, the system detects the tire working conditions, acquiring in real time:



DYNAMIC LOAD



PRESSURE



TEMPERATURE

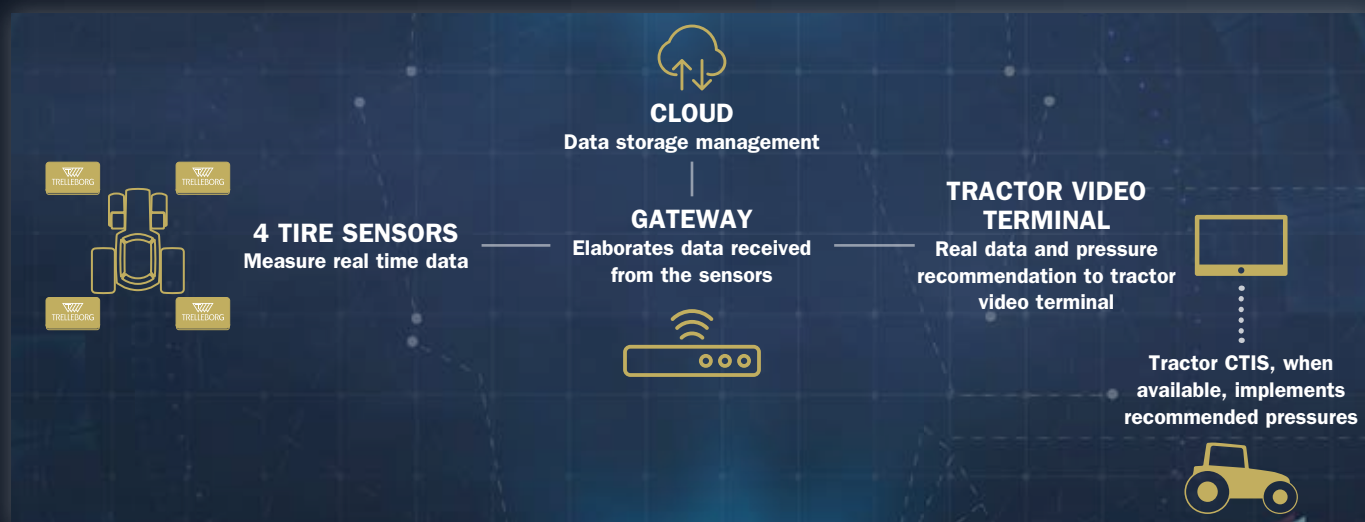
Real tire data for ultimate tractor performance

The ATMS represents a real revolution because it is able to measure the dynamic load of each tire. The driver is constantly advised on how to fully optimize the tractor configuration, in each working operation, through:

- the most appropriate tire inflation pressure
- the correct tractor ballast and implement set up
- the inputs for the tractor engine and transmission management

The data acquired by the sensors are elaborated by the gateway and shared with the driver through the tractor video terminal.

In combination with a CTIS system, Trelleborg ATMS enables the vehicle to manage adaptive pressure in a more effective way. The system infrastructure can be customized for different agricultural machines including tractors, harvesters, and trailers.



ATMS Maximizes your productivity

By adopting Trelleborg ATMS*, tire pressure and tractor load distribution are managed efficiently resulting in superior global productivity. Indeed, the optimization of these 2 parameters leads to superior results:



LOW SOIL COMPACTION

Due to the optimized footprint



REDUCED WORKING TIME

Due to higher traction and low slippage



IMPROVED DRIVABILITY ON THE ROAD

Due to the correct tractor configuration



REDUCED FUEL CONSUMPTION

Both in field and on road applications



-4%

**Fuel consumption
(l/ha)**



Up to

**520 €
saved on 500 ha**



The great advantages of the ATMS, when compared to a TPMS, are its new functionalities, such as the tire dynamic load, the tractor load distribution and the recommended tire pressure. Smart farming and sustainable agriculture rely on the availability of data. The Trelleborg ATMS is an outstanding innovation, proving the most important data to reach cost-effective sustainable agriculture. This is achieved by maximizing vehicle operations, reducing working time and fuel consumption. Trelleborg ATMS is a real market differentiator.



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