

SMART TIRES

“active smart-tire sensors”



Internal & External Sensors

premium safety solutions
fleetmaster

How Smart are your Tires?

SMART-TIRES

SENSORS AUTO CONNECT TO "GATEWAY"

Accurate, Cloud-based-Real-Time, Tread Depth, Tire health/monitoring & Reporting.

Monitor tread/tire data in real-time using sensors and cloud based technologies. An easy-to-use web portal for comprehensive data collection, storage and analysis. Benefits of fleet tread wear monitoring include:

Efficiency: Reduce "COSTLY" Blow-Outs and Roadside Service calls. Increase vehicle and driver uptime. STOP manual tire/tread measurements. Customizable ALERTS create tire replacement(s) and maintenance requests.

Performance: Reports show which tire brands and models are performing best for your fleet. GPS tire tracking, driver behavior indicators and more.

Sustainability: Safely extend and Maximize the usable lifecycle of each tire. Protecting the casing reduces rubber waste, tire costs and keeps tires out of landfills.

Profit: Save 100's of thousands on your current annual tire spend. Tires are your second largest operational expense – second only to fuel, enhancing tire usage and reducing tire consumption shows a solid ROI.



solutions can integrate with:



Internal, External and Drive-Over Sensor solutions. Provide Robust, Rich Data that links telematics platforms.

The autonomous sensor system eliminates manual tread depth measuring and removes human error and variability in readings. Smart-Tires provide complete traceability for the entire lifecycle of the tire(s):

- Provides accurate tread monitoring of tires under routine measuring conditions.
- Non-invasive for quick and easy installation.
- Solution is low-cost and maintenance free.
- Sensors automatically connect to "Gate-way" upon installation.



- Tread Depth & Irregular Wear Patterns
- Air Pressure, Air Loss & Excessive Pressure
- Tire Temperature
- GPS Vehicle Location
- Driver Behavior
- Excessive Loads
- Immediate ROI



SMART-TIRES Live

Digital Tire-Tread Monitoring. Anywhere, Anytime...

System

Tire Sensor
One per running wheel.



Gate-Way Central Control Unit (CCU):

Mounted on the vehicle. The Gateway CCU's from the Internal and External sensors process data that includes heat, air pressure, temperature, tread wear, irregular wear and data alerts.

Smart-Tires Internal-External Driver Apps:

Applications display internal and external sensor data in R/T. That show tire tread wear, tire health, heat, air pressure, irregular wear and more for each tire position to the drivers and transmits data to the Web-Cloud Portal for fleet and dispatch visibility.



Web Portal, Telematics Link & Mobile Alerts:

Portal accesses data, connects telematics platforms, creates alerts, statistics and Tire performance reports. The portal provides tire and tread information on every internal and external sensor on every tire and vehicle anywhere, anytime. Mobile SMS and e-mail alerts with customized settings can be sent to any recipient. Allowing R/T reaction to Real-Time issues.



Benefits



Improve Tire Runout



Real-Time Monitoring



Save Fuel



Save Labor & Maintenance Costs



Reduce Roadside Breakdowns



Improve Safety



Specifications

Short Description	Digital Tire & Tread Monitoring with Mobile App & Web Portal
Monitors	All connected tires and vehicles, real-time (regardless of their location)
Data Access	Data is transmitted via GSM cellular network whenever vehicles are connected through the Smart-Tire Driver App. Data is accessible real-time, anywhere in the Smart-Tire App and the Smart-Tire Web Portal.
Alerts	Receive web portal, SMS text message and e-mail Alerts with customizable settings.
Hardware	Gateway Central Control Unit-Receiver-Harnesses-Docking Stations-Tire Sensors



SMART-TIRES Internal & External Sensors

- Accurate, real-time tire pressure and temperature to prevent tire damage and breakdowns.
- Sensor warrantied for 5 years to minimize disruptions to your tire program. Actual results may vary. See Warranty Policy for details.
- Sensor provides true casing temperature, allowing preventive actions that make your tire last longer.
- Avoids valve damage and air leaks by mounting on the inner liner of the tire.