

TireVigil™ Cloud's INTELLAlerting Service

TPMS 2.0

Automated
INTELLAlerting

Scheduled
Reporting

Always On
TireWatch

API Data
Exchange

*The TireVigil™ Cloud's **INTELLAlerting Service** is an advanced automated tire alert platform that utilizes “intelligent” algorithms to categorize alerts by warning, critical and catastrophic severities. Now Management, Maintenance and Operations can understand how your fleet's tires are behaving and the steps necessary to prevent delays.*

Our TireVigil™ Cloud's **INTELLAlerting Service** generates alerts 24/7 for tire under-inflation, over-inflation, overheating and differences in dual tire pressures. Alerts recognize a vehicle's location and determine who has the responsibility and is available to address pending tire issues. Our alerts also include specific instructions for servicing problem tires that are based on our expert tire knowledge that no other TPMS can provide today.

Our unique algorithms enable us to gain insights when your tires are just beginning to develop serious problems. We provide you with the information you need to determine whether a vehicle has several hours or days of driving time before service. This enables you to make smart decisions that keep tire service costs down without jeopardizing customer delivery schedules, driver productivity and safety. Now 90% of all tire inflation problems are preventable.

Vehicle location is key to understanding how tire issues need to be handled. Transmitting tire alerts based on a vehicle's operating state and location was developed to enable you to handle these situations most efficiently with the resources available while minimizing disruptions in freight delivery. Our automated **INTELLAlerting Service** ensures that your fleet's need to maximize revenue miles for Operations is prioritized while still providing Maintenance with the ability to proactively and cost-effectively deal with tire-related problems.

When a vehicle is moving, INTELLAlerting will send an alert to your fleet's nearest service facility, Dispatch, closest tire dealer, call center or someone else that you specify when a significant tire event occurs. Because your maintenance technicians may be 500 miles away, there is no need to bother them with something they won't be able act upon. However, if an alert is triggered when the vehicle is in your yard, INTELLAlerting advises your technicians and Maintenance Department. Regardless of whether the vehicle is moving, parked in your fleet's yard, or parked at some other location, only those who can actually respond to the alerts are notified.



Moving



Parked in Fleet Yard



Parked – Elsewhere

The Leader In TPMS Innovation

TireVigil™ Cloud's INTELLAlerting Service

INTELLAlerting Service Benefits

Tire Thresholds: You set tire pressure and temperature alert thresholds for each severity level by vehicle type and axle position (steer, drive and trailing) which INTELLAlerting algorithms manage. TireStamp experts are available to assist you in determining the best pressure and temperature thresholds for your fleet's operation. Changes to alert thresholds are easily made and done over-the-air whenever your fleet's need change.

Early Detection of Tire Issues: As tire problems develop, INTELLAlerting algorithms closely monitor changes in tire pressure and temperature and then capture tire data more frequently. This enables TireVigil™ to perform better analysis, verification and prognosis of tire issues as they evolve.

Preventing Tire Fires: INTELLAlerting algorithms detect when tires are over-heating which can be caused not only by tire separations but also by seized bearings, and unbalanced or frozen brakes. Over heating components cause heat "soak" into the nearest tires and the resulting excessive heat is captured by TPMS sensors. You are alerted to these issues long before wheel ends are hot enough to catch on fire.

Preventing Wheel-offs and Tracking PM Schedules: INTELLAlerting algorithms track vehicle mileage which enables you to set a mileage threshold so that reminders are sent for checking wheel nut torque after every tire change. Similarly, you can also set up reminders for PM inspections for each vehicle by: miles driven, engine operating hours, or by time.

INTELLAlerting is totally customizable. You determine who will receive alerts and the level of alert severity they will get. For example, technicians may want to receive all alert severities when vehicles are in their yard, but the Maintenance Manager and Dispatch may elect to only receive critical and catastrophic alerts. The Safety Manager may want to be made aware of all catastrophic alert situations wherever they arise. INTELLAlerting is even intelligent enough to support fleets with multiple facilities by routing alerts to the fleet's yard that is closest to the vehicle.

Alerts can be e-mailed or texted to anyone. They take the guess work out of tire maintenance by displaying tire pressures and temperatures with suggested actions to immediately correct all tire issues on the vehicle in addition to the problem tire so maintenance can be proactive while the vehicle is available. Because TireVigil™ TPMS calculates cold inflation pressure and advises technicians of the exact number of pounds of pressure to add or remove, the quality of the tire service is more accurate even if the tires are hot and/or the service gauges being used are out of calibration.

C17Alert001

If Your TPMS Doesn't Have Automated INTELLAlerting Service, It's Time You Called TireStamp.

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