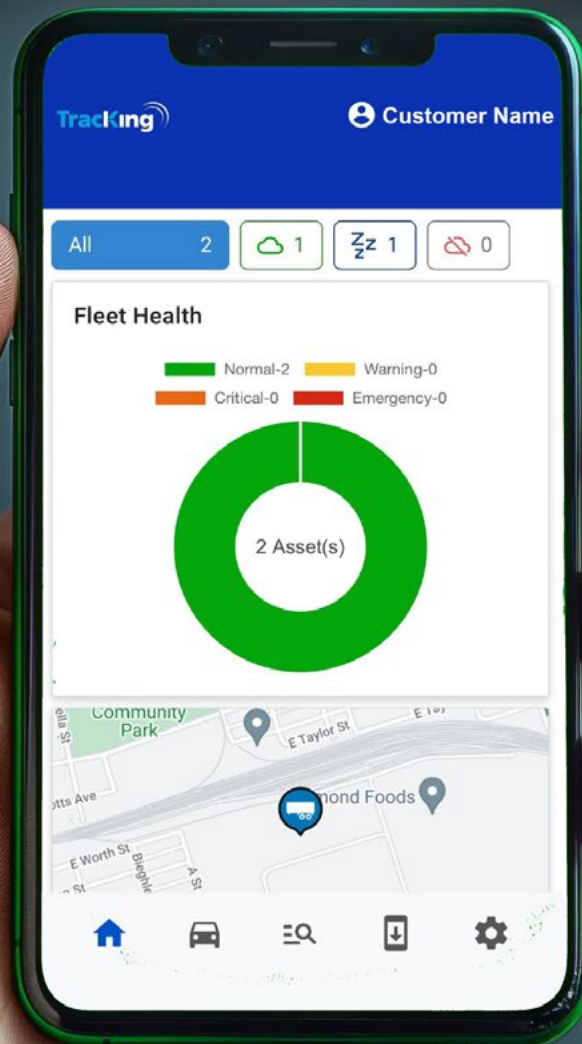


TrackKing® Smart Trailer Telematics

Get 360° visibility into your trailers and cargo



Real-time data on every trailer in your fleet to help you make fast, well-informed decisions.

You already get data from your reefer. Now you can see the big picture with telematics for your entire trailer—all in a single platform.

TrackKing® Smart Trailer Telematics gives you essential information on your trailers through sensor data on components, as well as video feeds from cameras strategically placed inside and outside the trailer.

Run leaner operations

Track every trailer and monitor the condition of their components.

Work safer

Ensure that your trailers' anti-lock braking systems (ABS) are functioning properly and that drivers have full visibility when backing into a dock.

Increase your uptime

Real-time component monitoring allows you to conduct maintenance when it's needed instead of on a fixed schedule.

Avoid fines

Prevent lighting violations and make sure your trailers are fully prepared for DOT inspections.

Manage trailers from bumper to reefer

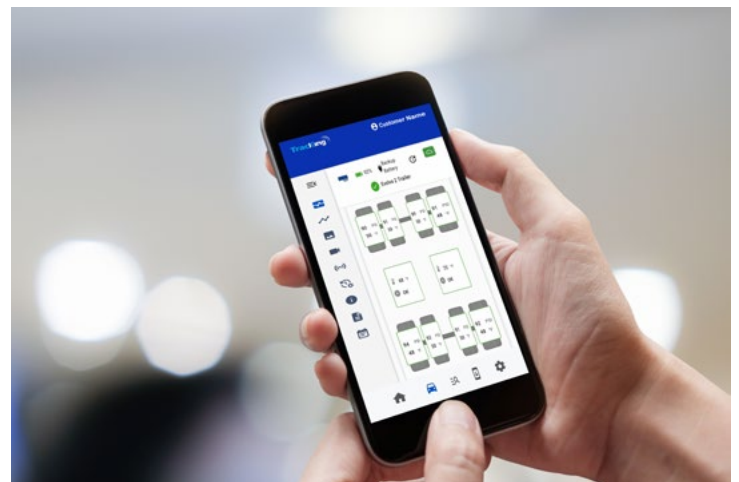
When optionally paired with TrackKing® Pro Telematics, TrackKing Smart Trailer Telematics enables full monitoring and management of trailers and reefers.

Boost your operational efficiency

Imagine how much more efficiently you could operate if you had more insights and control over your trailer components. Through its smart IoT gateway, TrackKing Smart Trailer Telematics enables you to remotely monitor every trailer in your fleet, as well as diagnose issues and receive notifications and alerts.

TrackKing Smart Trailer Telematics includes these efficiency-boosting features:

- GPS trailer tracking, providing route history, GPS breadcrumbs and live and trip monitoring on both road and rail
- Cargo temperature monitoring using multiple sensors with an accuracy of +/- 0.9 °F
- Cargo camera inside the trailer enables you to visually confirm the stability of the load, and captures open and closed-door events
- Tire pressure monitoring to enable optimal tire inflation, reducing drag that increases fuel consumption and carbon emissions and ensuring that tires wear evenly
- Weight on axles sensor to help ensure compliance with weight limits, estimate remaining additional load capacity, reduce trips and provide instant information on whether the trailer is loaded or not. Avoid per-trailer weighing costs by confirming weight for all your trailers carrying the same load.



Avoid accidents – or respond effectively if they do happen

Features that enhance operational safety include:

- Anti-lock braking system (ABS) health monitoring to help ensure safe braking
- Trailer backing camera¹ for greater visibility when parking or backing into a dock, helping to avoid low-speed reverse damage or to provide better evidence for claims
- Door position sensor so a driver knows whether the rear door is open or closed



¹Feature coming soon

Reduce downtime through proactive maintenance

With the right planning, you can avoid many unexpected repairs that sideline vehicles, force unplanned stops, delay loads and cut into your profits. Capabilities that enable proactive maintenance include:

- Tire pressure monitoring and management system with individual temperature and pressure readings keeps punctured tires inflated until the trailer can get to a repair station, avoiding expensive after-hours call-outs
- Fleet health dashboard for monitoring, alerts, reports and system configuration
- Wheel hub temperature and vibration monitoring detects elevated temperatures on the wheel end and vibration that signals a failing bearing
- Integrated reefer and truck/trailer data and video feeds provides advanced analytics for:
 - Automatic load calibration with tire pressure adjusted based on the load of the trailer
 - Predictive maintenance through metrics on brakes, hub bearings, tire leaks and temperature monitoring of key components
 - Remaining useful life on brakes and true odometer from ABS on trailer

Meet the demands of an ever-changing world

Fines for regulatory violations should be avoidable, yet they continue to eat into the profits of most fleets. TrackKing Smart Trailer Telematics gives you information on your trailers that helps you remain compliant, such as:

- Lights-out detection to avoid drivers being pulled over and cited due to faulty wiring or a burned-out lightbulb, costing you fines and potentially impacting your fleet's CSA score
- Brake monitoring to ensure that your trailers' brakes are safe and ready for a DOT inspection, because fines for inadequate brake pads are costly and may also impact your CSA standing
- Weight monitoring, reducing scale costs and enabling the dispatcher or operations manager to know whether a trailer might exceed weight restrictions on a planned route so they can reroute loads and avoid fines

To help you increase fuel efficiency and sustainability, our Smart Trailer technology includes:

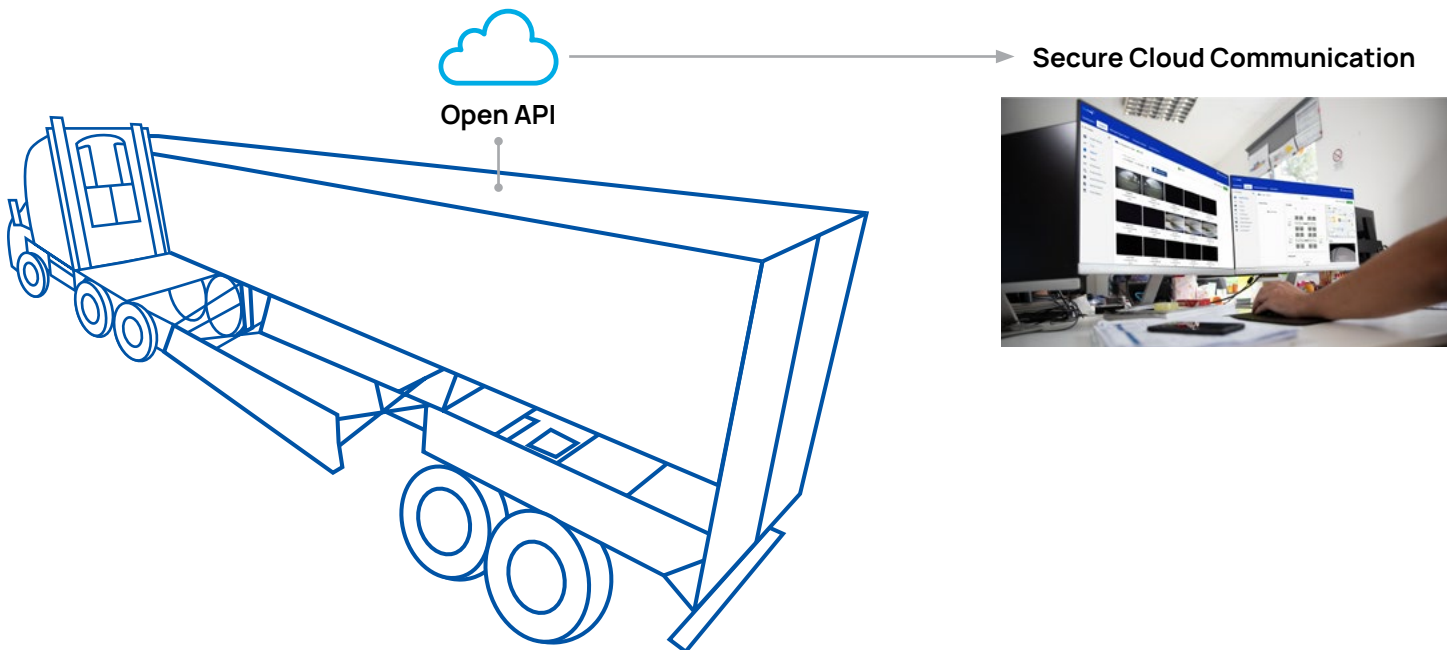
- Tire pressure management, including automatic tire inflation and deflation, to help ensure that drivers are always operating with optimal tire pressure, which extends tire life, normalizes tread wear and reduces drag, improving fuel efficiency

How it works

The IoT gateway connects and controls

TrackKing® Smart Trailer Telematics' IoT gateway was designed specifically for the transportation industry to enable remote real-time monitoring of all vehicles in a fleet.

Gateway software reads data in real-time from the sensors mounted on the vehicles and ensures monitoring and control of optimal tire pressure and many other critical trailer components. With all data gathered, diagnostics are relayed to the driver and fleet manager in real time, enhancing safety, security, tire life, fuel economy and operational efficiencies, all while reducing maintenance costs and downtime and making pre- and post-trip checks more efficient.



Thermo King – by Trane Technologies (NYSE: TT), a global climate innovator – is a worldwide leader in sustainable transport temperature control solutions. Thermo King has been providing transport temperature control solutions for a variety of applications, including trailers, truck bodies, buses, air, shipboard containers and railway cars since 1938. For more information, visit thermoking.com or tranetechnologies.com.

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