A REVOLUTION IN FLEET TIRE MANAGEMENT
Predictive Tire Analytics for Your Fleet
Halo Connect has given us the flexibility to schedule tire maintenance in the most economical and convenient way for our clients, as opposed to reactively addressing issues on the side of the road.

Tire management is complex and often entails more reactive fire-fighting than planning. Identifying underinflation and leaks is nearly impossible when your trucks and trailers are on the road, but not addressing these issues in time could lead to catastrophic tire failure and costly truck downtime.

With the support of Halo Connect, our innovative tire analytics platform, your fleet can get ahead of the curve – predicting and prioritizing tire maintenance while virtually eliminating tire-related downtime.

"Halo Connect has given us the flexibility to schedule tire maintenance in the most economical and convenient way for our clients, as opposed to reactively addressing issues on the side of the road."
GET EVERY MILE YOU’VE PAID FOR FROM YOUR TIRES

Realize value greater than the combination of automatic tire inflation (ATI) and tire pressure monitoring system (TPMS) with Halo Connect. Aperia’s Halo Tire Inflator maintains optimal tire pressure and eliminates costly underinflation, while Halo Connect adds a prognostic capability to get ahead of critical issues that cause premature tire failure.

Halo Connect uses machine learning to detect issues before typical tire pressure monitoring systems—effectively enabling fleets to shift from a reactive ERS model to a proactive and predictive service model.

TIRE MANAGEMENT TECHNOLOGY MAP

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UNLOCK PREDICTIVE TIRE MAINTENANCE

Halo Connect Diagnoses Issue

**DETECTED** MINOR tire issue
**ROOT CAUSE** Leaky valve stem
**RATE OF LEAK** ~4 PSI / day

**RESPONSE** Immediately adds air to tire
**RESULT** Tire never becomes under-inflated

Halo Connect Combats Issue

**DETECTED** MAJOR tire issue
**ROOT CAUSE** Nail lodged in tire
**RATE OF LEAK** ~9 PSI / hour

**RESPONSE** Immediately adds air to tire
**RESULT** Tire maintains safe operating pressure

**DETECTED** CRITICAL tire issue
**ROOT CAUSE** Tire puncture
**RATE OF LEAK** ~20 PSI / hour

**RESPONSE** Immediately adds air to tire
**RESULT** Fleet safely routes truck for service
**Insights Delivered to Fleet**

**Outcome**

**ACTIVE ALERTS**

**ALERT 1 MINOR**
Underinflation on the Left Inner Front Drive Tire

**RECOMMENDATION** Repair tire during PM

**ALERT 1 MAJOR**
Underinflation on the Left Inner Front Drive Tire

**RECOMMENDATION** Repair tire within two days

**ALERT 1 & 2 CRITICAL**
Underinflation on both the Right Outer and Inner Front Drive Tires

**RECOMMENDATION** Service tire within four hours

- No downtime
- No impact on driver HOS
- Fleet delivers load on-time
- Service scheduled during regular preventive maintenance interval

**EMERGENCY ROADSIDE SERVICE**
~$750/event

**TIRE LIFE IMPROVEMENT**
10-20%

**FUEL ECONOMY IMPROVEMENT**
1-2%

**UNPLANNED DOWNTIME**
0 Hours

**TIRE CASING PROTECTED FOR RETREAD**
BRING TIRE MANAGEMENT INTO THE DIGITAL AGE WITHOUT DATA OVERLOAD

CLOSED-LOOP REPORTING

Halo Connect assesses equipment, employee, and system performance to provide useful insights for fleet operations and maintenance improvements allowing staff to focus on fixing critical issues rather than combing through data to drive productivity, uptime, and profits.

ALERTS

Second axle / Left wheel-end
Critical Leak on the Left Outer Front Drive Tire. To avoid an emergency roadside call, resolve this issue as soon as possible.

We recommend
Check the tire for leaks using soapy water. Repair or replace the tire. Add air before driving on this tire.

Current Vehicle Location
View in Google Maps (Updated 1 minute ago)
SIMPLICITY + BIG SAVINGS

Holding true to Aperia’s “simple is better” philosophy, Halo Connect includes a compact data gateway, quick-fit sensor package, and intuitive installation app that enables installation and Total Cost of Ownership (TCO) as low as the flagship Halo.

Vehicle Sensor Kits
Sensor kits can be paired in a single action, eliminating the need to add sensors one by one.

Easy Installation App
Register and configure vehicles in a step-by-step guided installation.

BENEFITS OF HALO CONNECT

Reduce Cost
Ensures proper inflation to get up to 2% more fuel economy and 20% more life out of every tire

Insights
Delivers immediate, detailed insights into fleet and vehicle-level tire health

Prioritization
Prioritizes maintenance activities to enable more efficient and economical operation

Safety
Predicts catastrophic failures for greater driver safety and reduced downtime

Reporting
Improves profitability with predictive, proactive alerts and reporting to the right people at the right time
Discover how Halo Connect can drive your fleet’s productivity and profits.

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PUTTING YOUR FLEET’S TIRE PERFORMANCE AHEAD OF THE CURVE.