Aperia TECHNOLOGIES

NACFE STUDY SHOWS HALO PAVES THE WAY

When it comes to efficiency, most drivers ignore the place where the rubber meets the road. An influential new study shows that Halo automatic tire inflation (ATI) will keep your emissions down—and productivity up.

SPECIAL REPORT

Disrupting the tire segment, one long-haul at a time.

These days, there are many good reasons—as well as financial and environment imperatives—for fleets to become more fuel efficient: Cost of fuel (and the unpredictability of future cost), federal and local regulations, public interest, and demand for more sustainable transport solutions are all important factors for the bottom line and the planet.

According to the industry authority on freight efficiency, there are more options than ever to help fleets cut their emissions—and Halo is on the cutting edge. The North American Council for Freight Efficiency (NACFE) annual Fleet Fuel Study is "a critical resource to any fleet owner/ operator, as well as manufacturers." (Rob Reich, EVP, Chief Administrative Office Schneider.)

Since its inception in 2012, this has been NACFE's most popular report. Why? Because it provides fleets with a comprehensive birds-eye view on the trends that are taking hold in the trucking industry, as well as definitive statistics on what's working and what isn't.

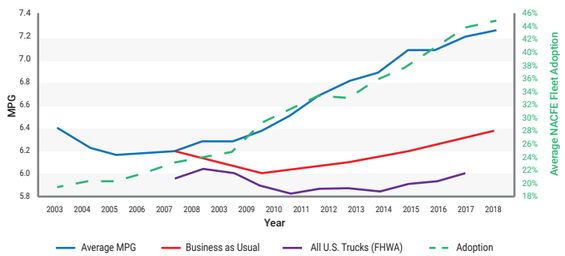
In the recently released 2019 report (which includes data from 21 of the industry's leading fleets, and surveys 85 technologies in 7 categories), one take-away comes through loud and clear: The makers and innovators of fuel-efficiency solutions are growing, and America's most progressive fleets are seeking them out.

Fleets included in 2019 NACFE study:

SCHNEIDER · C&S Wholesale Grocers · PRIME Inc. · PTI Paper Transport, Inc. · CHALLENGER · Bison Transport · NACFE · Hirschbach · UPS · Nussbaum · WERNER · Ryder · C.R. England · U.S. XPRESS

But fuel-efficiency solutions come in all shapes and sizes—and efficacy rates—and so the real proof of what's improving performance for leading fleets are the metrics related to fleet adoption. **In the category of ATI (Automatic Tire Inflation), in which Halo is the premier and sole commercially available product for both tractors and trailers, customer satisfaction is booming: Fully 85% of NACFE fleets are now working on integrating automatic tire inflation on their trailers, with a 168% increase in usage on tractors.**

Average fleet-wide fuel economy and technology adoption over time:



Halo is leading the pack as the only ATI solution for both tractors and trailers.

Since 2015, Aperia has single-handedly introduced and advanced a brand-new ATI category for tractors. Halo, Aperia's flagship ATI product was developed to provide a versatile, easy-to-implement fix to a number of key efficiency loopholes.

When it comes to technology and tractor trailer upgrades, long-haul trucking isn't an industry that's known to move very fast. But as the NACFE study shows, in less than five years—since Halo's introduction in 2015—ATI usage went from non-existent to a 15% usage across the industry's most progressive fleets.

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And Aperia isn't stopping there. The vision for Halo is more than a product-upgrade. Using a holistic, industry-disruption approach, Aperia has rolled out Halo Connect, the first platform to offer truly comprehensive tire management for fleets, something that traditional ATI and TPMS fall far short of.

The future of commercial fleet tire management is a comprehensive platform.

Halo Connect allows fleets to standardize a wholly new tire management operating model that's predictive, proactive, proportionate, portfolio-wide, and low-overhead. The benefits will be significant—realized as better decisions, time savings, and unlocked capacity from vehicles reallocated to revenue miles and manager time redirected toward higher-value work.

According to Aperia CEO Josh Carter, "While Halo keeps tires up, Halo Connect works like the Netflix of comprehensive tire management. Built on 1 billion+ miles, it uses an analytics and recommendation engine to automatically serve up a curated list of tire alerts to the right users at the right times."

NACFE adoption trends support Aperia's Halo Connect thesis.

Two practices stand out as additional supports of the Halo Connect thesis. Fully 8-9 of every ten leading fleets use MPG-focused data analysis (Analysis of vehicle operating data to optimize fuel economy (systems such as Geotab, Omnitracs, Vnomics and others)) and MPG-led maintenance (Any special maintenance focused on optimizing MPG (telematics, review of underperforming tractors)) to drive fuel economy benefits.

NACFE's latest report confirms what all long-time industry observers know. Technologies and practices may come and go. The ones remaking the industry – like Halo - earn client business year in, year out.

Impact of tire underinflation on fuel economy:

Excessive flexing of tire causes heat to build; uses more fuel to move vehicle down the road; reduces tire life

Under-inflation · Correct

EXAMPLE FOR A 100 PSI TIRE

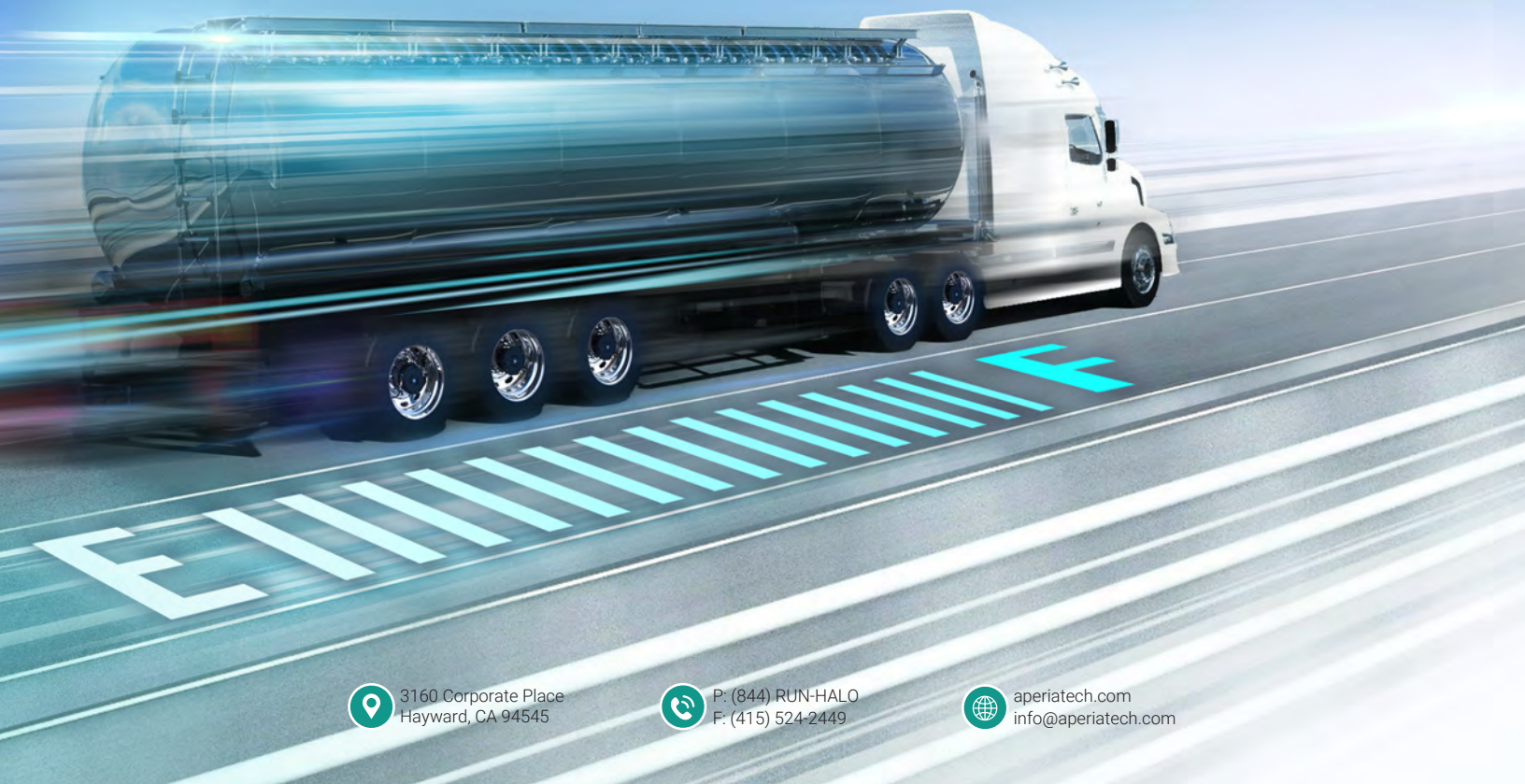
Percent Under-inflated	Air	Loss of MPG
0	100	
10	90	up to 2.5%
20	80	3.0 to 3.5%
30	70	

Discover how Halo and Halo Connect
can drive your fleet's productivity and profits

halo

TIRE INFLATOR

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



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