



AUTO ALUMINUM ALERT



The Aluminum Association's Aluminum Transportation Group (ATG)



ALUMINUM NEWS

Don't miss ATG's upcoming webinar featuring a study on Aluminum in Commercial Vehicles Wednesday, November 17, 12:00 p.m. EST [Click here to learn more and register](#)

Vehicle Down Weighting Vital to Meeting Future Fuel Economy and Emissions Regs

The Obama Administration recently filed a notice of intent to draft mileage standards for model years 2017 to 2025 that could range from as low as 47 mpg to a high of 62 mpg. The [ATG's statement](#), which expressed support of new regulation and stressed the important role lightweight aluminum plays in meeting these standards, was featured in [The New York Times-Green Blog](#), [MSNBC.com](#) and [Associated Press](#).

*"It's simple physics, heavier vehicles need more energy to operate, and high strength, low weight aluminum is proven to safely reduce vehicle weight to boost fuel economy, while having the lowest overall carbon footprint amongst competing materials. In fact, a fifteen percent weight reduction made possible with aluminum equates to a ten percent fuel economy gain with no compromise on size, safety or performance."
ATG Chairman, Randall Scheps*

Nissan Commits to Dropping Weight



[Nissan](#) recently announced its initiative to reduce vehicle weight in all redesigned models by 15 percent below comparable 2005 models. Notably, the carmaker trimmed 44 pounds from the latest Nissan 370Z by using aluminum for the side and back doors instead

of steel. Consumers want vehicles that are safe and perform well. Automakers continue to search for ways to meet both consumer's expectations and regulator's increasingly stricter fuel economy and emissions standards. [Lightweight design](#) is one solution that provides all of these benefits, and increasingly, automakers turn to aluminum to achieve it.

Use of Aluminium in US Cars Could Double in 10-20 years

In a recent interview with [Reuters](#), ATG Chairman Randall Scheps highlighted the growth potential of aluminum in the automotive industry. The metal, which has seen over 40 years of uninterrupted growth, plays a crucial role in helping automakers produce safer and greener vehicles. Aluminum content [growth](#) is predicted to continue at a rate of four-to-five pounds per vehicle, per year, approaching 300 pounds per vehicle worldwide in 2020.

Land Rover Grows with Aluminum Engineering

Land Rover recently announced that the Range Rover's new model, set to launch in less than two years, will expand its current use of aluminum. In an effort to cut a minimum of 1,100 pounds from the current 6,000-pound mass, the new model will feature a full aluminum body, which will help [boost fuel economy and performance](#). Currently, the [2010 Range Rover](#) features an aluminum engine and uses the metal in the hood, fenders, doors and wheels.



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CALENDAR OF EVENTS

LA Auto Show

November 19-28, 2010
Los Angeles, CA

Tokyo Motor Show

December 3-11, 2010
Tokyo, Japan



FAST FACTS

Saving More Than Fuel with Aluminum

In addition to providing consumers with savings at the pump, lightweight aluminum provides savings for the environment as well. These wide-reaching advantages allow eco-friendly vehicles to maintain larger sizes, but stay light in weight. Consider:

- A five to seven percent vehicle gas mileage increase can be achieved for every 10 percent weight reduction by substituting high-strength, low-weight aluminum for heavier steel.
- Each pound of aluminum replacing two pounds of iron or steel in a car can save a net 20 pounds of CO₂ emissions over the typical life cycle of a vehicle.

The Commercial Vehicle Alert

The Aluminum Association's Aluminum Transportation Group (ATG) communicates the benefits of aluminum in ground transportation to help accelerate its penetration through research programs and related outreach activities. Member companies include: [Alcoa Inc.](#), [Novelis Inc.](#), [Rio Tinto Alcan Inc.](#), [Aluminum Precision Products](#), [Kaiser Aluminum Corporation](#), [Hydro](#) and [Sapa Group](#).

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