



## The Aluminum Association's Aluminum Transportation Group (ATG)

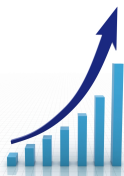
### ALUMINUM NEWS

#### Study Highlights Aluminum's Weight Saving Potential for Trucks Upcoming Commercial Vehicle Webinar

A newly-released [study](#) by Ricardo, a leading independent technology provider and strategic consultant to the world's transportation and clean energy industries, confirms that when combining the weight reduction potential with an 8 percent improvement in aerodynamic drag, the overall fuel economy improvement was as high as 8.2 percent. The ATG will host a **free** webinar on **November 17, 2010** from **12:00-1:00 p.m.** where experts will dive into the detailed findings of the study on the fuel efficiency impact of weight reduction in class 8 trucks and trailers.

Please [click here](#) to register.

#### WABCO Taps Aluminum to Save Fuel



[WABCO](#) Vehicle Control Systems, a supplier of safety and control systems for commercial vehicles is paving the weight-saving way in a new generation of vehicles with aluminum. According to a company [press release](#), their brakes will weigh 13 percent less than comparable products. Additionally, the company's aluminum compressor crankcases weigh 40 percent less than iron ones. The benefits of [down weighting trucks](#) with aluminum go beyond increased cargo capacity, to include improved fuel economy, reduced emissions, lower maintenance costs, and improved durability.

#### Aluminum's Recyclable Qualities

According to a recent [European Aluminium Association \(EAA\) article](#), "aluminium-intensive trailers generally spend their entire life on our continent (in Europe) where they are eventually dismantled with a very high recycling rate." Citing two studies that analyze end-of-life commercial vehicle parts, a minimum recycling rate of 95 percent was demonstrated. Additionally, recycling aluminum saves nearly 95 percent of the [greenhouse gas emissions](#) associated with primary aluminum production.

#### Peterbilt Calls Upon Lightweight Technologies

Featuring the industry's only all-aluminum hood Peterbilt looks to the future with the lightweight metal. [Peterbilt's](#) conventional models, equipped with lightweight all-aluminum cabs provide durability, corrosion resistance and



years of virtually water-tight, rattle-free performance. Corrosion resistant [aluminum components](#) reduce the need for rust repair and increase the life cycle of the truck.

October 21, 2010

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#### CALENDAR OF EVENTS

**Platts 2011 Aluminum Symposium**  
January 16-18, 2011  
Coronado, CO

**National Private Truck Council (NPTC) 2011 Education Management Conference and Exhibition**  
April 17-19, 2011  
Cincinnati, OH

### FAST FACTS

#### Feature: Commercial Vehicle Weight Reduction Study

[American Trucking Magazine](#), [FleetOwner](#), [Truckinginfo](#) and [Today's Trucking](#) recently reported the findings of the [ATG's study](#) on the fuel efficiency impact of mass reduction in class 8 trucks and trailers with aluminum. The articles highlight findings that show aluminum use can offer significant weight savings while increasing fuel economy and payload. Consider:

- An "effective" fuel and emissions savings of 6.5 percent may be achieved with increased aluminum use.
- Downweighting with aluminum may enable a truck to carry 6.5 percent more payload per trip.
- The annual return on investment for materials substitution with aluminum on a single vehicle is estimated to be as high as 1,612 gallons of fuel and 17.9 tons of CO<sub>2</sub>.

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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