



ALUMINUM NEWS

Welcome to the inaugural issue of Aluminum Advantages: The Commercial Vehicle Alert. While federal mandates continue to add weight to heavy-duty vehicles with new equipment requirements, there is an increased focus on improving fuel economy and decreasing emissions output. This quarterly electronic newsletter from the Aluminum Association's Aluminum Transportation Group aims to provide current information about lightweighting and how the aluminum industry is helping the commercial vehicle sector tackle these key issues. We hope you find the material to be of value and share it with other interested parties. Should you wish to unsubscribe, please follow the link at the bottom of this email.

www.aluminumintransportation.org Launches in April

As we continue to support our customers in the commercial vehicle sector, the Aluminum Transportation Group has launched a new, go-to resource housing research, news, latest technologies, and leading events on the advantages related to aluminum in sustainable transportation. Formerly, www.autoaluminum.org, this expanded hub will continue to provide easy access to the most comprehensive, up-to-date information on lightweighting with aluminum in both passenger and commercial vehicles.

Aluminum Trailers: Delivering More Cargo Per Load

Fontaine Trailer has expanded its Revolution Line to include both a hybrid composite trailer and an [aluminum trailer](#). The hybrid weighs 9,000 lbs. and handles a 55,000-lb. load, while the aluminum trailer weighs 8,000 lbs. and can handle a 60,000-lb. load. Use of low weight, high strength aluminum components allows trucks to carry larger cargo loads without violating weight restrictions. Both trailers house a one-piece extruded aluminum siderail, which ["withstands impact damage better than steel"](#)



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CALENDAR OF EVENTS

American Trucking Associations' (ATA) 2010 Annual Conference and Exhibition

May 3-6, 2010
Jacksonville, FL

Alternative Fuels & Vehicles National Conference + Expo 2010

May 9-12, 2010
Las Vegas, NV

The Great West Truck Show

June 17-19, 2010
Las Vegas, NV



FAST FACTS

Save Fuel and the Environment with Aluminum

As everyone looks to improve fleet fuel economy, high-strength, lightweight aluminum offers opportunities to provide savings at the pump while helping [reduce harmful greenhouse gas emissions](#). Consider:

[siderails.”](#)

Aluminum Sweetens the Deal for Sugar



Sugarcane haulers in Brazil called upon [lightweight aluminum](#) trailer technologies, to help them harvest in bulk. The [new aluminum-bodied sugarcane trailer](#) is 35 percent lighter than its

conventional steel counterpart, providing higher payload capacity. Additionally, the 7-ton weight reduction, allows the fleet to use 7 percent less fuel.

Lightweighting Developments Announced at MATS

Among the many announcements at the 2010 Mid-America Trucking Show (MATS) was a new lightweight option for [Daimler's Western Star 4900 Series truck](#). The lightweight option will include more than 200 [aluminum parts](#) for buyers to choose from such as rear engine supports, air tanks, clutch housings and fifth wheels, which can save up to 1,200 lbs. "Our lightweight options provide Western Star customers with a customized solution that matches the premium quality and durability of our trucks," said Mike Jackson, general manager, Western Star.

- Reducing weight by 10 percent can yield fuel economy improvements of 5-7 percent.
- One ton of weight reduction with aluminum can equal up to 3,400 gallons of fuel saved over the life of the vehicle.
- Every ton of aluminum added to a fleet can save up to 18 tons of CO₂.

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](#) and [Sapa Group](#).

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