



AUTO ALUMINUM ALERT



ALUMINUM NEWS

AUGUST 21, 2008

General Motors to Increase Aluminum Use

In an effort to reduce mass and improve fuel economy,



[General Motors](#) announced recently they will use even more aluminum in the production of several SUVs and pickup trucks. GM specifically noted that towing capacity for these vehicles will not be compromised. The

[aluminum industry](#) applauded GM for their increased use of the high strength low weight material.

“Lose Weight Fast” with Aluminum

The August 2008 issue of [Automotive Engineering International](#) profiled aluminum’s capacity to reduce mass while preserving size and safety. Increased aluminum use in vehicles—everything from wheels to engine blocks—continues to surpass competing materials as manufacturers acknowledge the metal’s value in helping to increase fuel economy, performance, and safety, while reducing emissions.



Additionally, automakers will “rely on greater use of lightweight materials such as aluminum,” according to an article in the recent edition of [Aluminum Now](#).

Both articles also highlight ALTG’s latest research about [faster payback to consumers](#) when more aluminum is used to construct advanced powertrain vehicles like hybrids and diesels.

Aluminum Association Presented in Panel Session at MBS

Michael Bull, technical committee chair for the Aluminum Association's Auto & Light Truck Group (ALTG),



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Washington, DC

[Convergence 2008](#)

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October 20-22, 2008

Detroit, MI

[3rd Annual Automotive Metals Conference](#)

[American Metal Market](#)

October 28-30, 2008

Detroit, MI



FAST FACTS

Environmentally Friendly Aluminum

Aluminum is an

addressed attendees of the 2008 Management Briefing Seminars in Traverse City, MI. He spoke on [World Class Manufacturing: Manufacturing for Fuel Economy](#). Specifically, Bull addressed new data confirming how high strength, low weight aluminum can help OEMs achieve proposed CAFE standards and reduce the consumer payback period associated with advanced powertrains like hybrids and diesels. [Contact us](#) for detailed information about the presentation.

Aluminum Delivers the Performance Advantage

Lotus' all-new [aluminum-intensive Evora](#) reaffirms the metal's ability to deliver a driving performance for some



3,000 pounds.

of the most high-performance cars on the road (imagine what it can do for family cars and trucks). Thanks to its aluminum-intensive construction, this, dream machine weighs just under

[environmentally friendly](#) material choice because its lightweight quality results in increased fuel economy and fewer greenhouse gas emissions. Consider:

- Lightweighting the world's transportation fleet - passenger cars, trucks, rail vehicles, air and sea craft - has the potential of reducing GHG emissions by 660 million tons annually
- 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 lifetime of a vehicle
- Aluminum is one of the most commonly recycled materials in the world

The Aluminum Association's Auto & Light Truck Group (ALTG) communicates the benefits of automotive aluminum to help accelerate its penetration through research programs and related outreach activities. Member companies include: [Alcoa Inc.](#), [Novelis Inc.](#), [Alcan Inc.](#), [Aleris International, Inc.](#), [Aluminum Precision Products](#), [Indalex Aluminum Solutions](#), [Kaiser Aluminum Corporation](#) and [Sapa Group](#).

900 Tower Drive * Suite 650 * Troy, MI 48098

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