CAR Management Briefings Seminar

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Automotive Value Stream - Novelis North America

Manufactured Materials of the Future: Optimizing the Material Mix for Mobility



Novelis is the Global Leader in Aluminum Sheet



Global Aluminum Leader In:







Global Automotive Aluminum Adoption

Global New Vehicle Supply

Ford F-150

Ford Super Duty

Cadillac CT6

Hyundai IONIQ

Volvo XX60

Jaguar XE

Jaguar XF

Land Rover Discovery

Sport

Mercedes C-Class



Novelis: From "First Mover" to "First Choice"

First Mover in Aluminum Mass Production



First Choice in Material Supply



Investments in North America, Europe and Asia



Creating long-term business relationships



Addressing concerns over mass production, safety, design, costs and consumer preference



Taking advantage of the benefits of lightweighting and sustainability

Aluminum in Lightweight Automotive Design

More and more, vehicles are moving toward multi-material construction to meet consumer demands and regulatory pressures.

Aluminum will continue to play a pivotal role in the evolution of future vehicle design because it delivers three key benefits to automakers:







Applause for TAR



Continued acceleration for mass reduction initiatives and in the use of aluminum



The standard has not changed – only the math



Aluminum is appropriately recognized as one of the key materials that will be deployed by many OEMs to meet 2025 objectives



Mass reduction will continue to play important role

Expanding Aluminum's Vehicle Penetration: 2017 Super Duty

Building off of the F-150 success, Novelis + Ford partnered to transition the full Super Duty line of trucks.

This release will be:



The second largest aluminum-intensive vehicle launch in the world



Part of the largest close-loop recycling system in the world



Advancing Mixed Use Body Structures: 2016 CT6

Same final weight as smaller CTS



Mixed material construction body-in-white made up of 62 percent aluminum





600 feet of advanced structural adhesives

