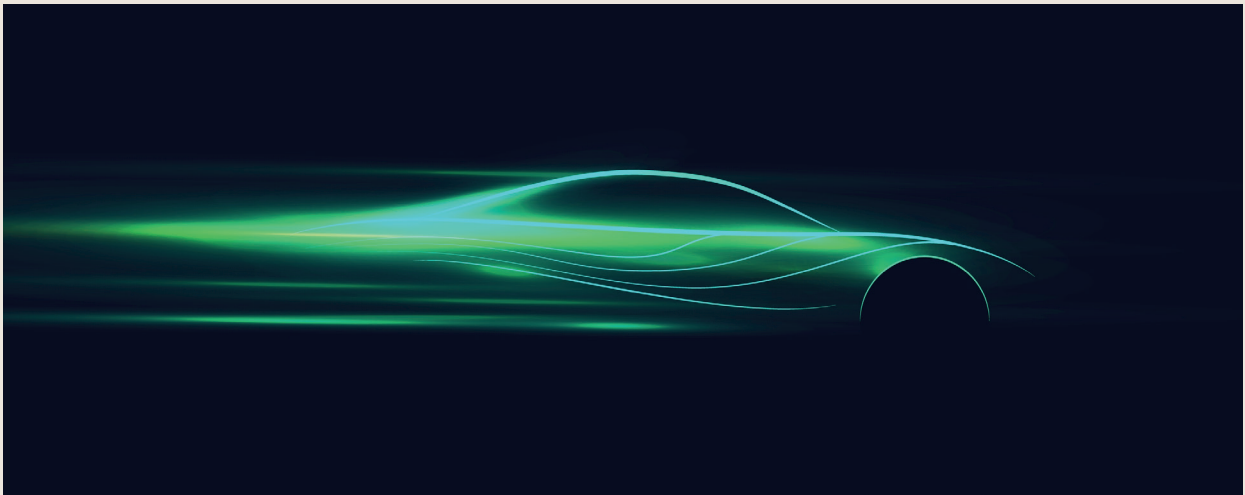


ALUMOBILITY project reveals converting steel intensive mixed material production BIW to aluminum intensive BIW reduces complexity, delivers 40% weight savings



Project findings to be presented at Automotive Circle's Car Body Xperience Conference on April 26

Alumobility, the global association committed to advancing the adoption of aluminum by automakers, will present findings of a recent study at the Automotive Circle Car Body Xperience in Rochester, Michigan on April 26. The project focused on converting all the steel parts on a mixed material production body-in-white (BIW) to a full aluminum BIW, which resulted in a 40% weight savings for the sum of the converted parts while also maintaining or improving the specified BIW attributes for safety, noise, vibration, and harshness (NVH).

The project further revealed that, when compared to steel intensive mixed material BIW, aluminum intensive BIW offered complexity reduction opportunities and reduced the total number of parts and joints while also lowering the gauge and grade combinations.

The project was done in conjunction with a leading global automaker, using one of its latest mixed material production battery electric vehicles (BEV) BIW structures. The BIW is the car body's main structure at a stage in manufacturing in which it has been joined together before painting and before the motor, chassis sub-assemblies, or interior & exterior trim, have been integrated into the structure.