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Novelis

## Jaguar I-PACE features Novelis Aluminium

### Aluminium architecture delivers Jaguar's most torsionally rigid body structure

ZURICH, Oct. 9, 2018 /PRNewswire/ -- Novelis, the world leader in aluminium rolling and recycling, today announced the supply of its premium Novelis Advanz™ aluminium to the recently launched all-electric Jaguar I-PACE. This new addition to the Jaguar PACE family and the car maker's first all-electric vehicle features a strong and stiff lightweight aluminium construction to reduce weight and increase battery range up to 470km while delivering superior driving dynamics and safety.



The bespoke electric vehicle's aluminium architecture uses advanced riveting and bonding technology to deliver a light, stiff body structure comprising 94 per cent aluminium, enabling significant weight reduction and design requirements, such as purity of line, surface and proportion. The aluminium vehicle structure is intelligently combined with a battery module achieving an efficient mass of both, leading to the highest torsional rigidity of any Jaguar while delivering agile handling and outstanding ride comfort.

"Novelis is proud to be a key supplier of aluminium sheet to Jaguar Land Rover, enabling novel, lightweight construction platforms and being part of their new era of electrification," said Michael Hahne, Vice President Automotive, Novelis Europe. "Lightweighting is one of the key success factors for electrification and the new I-PACE is a major milestone in car

body engineering, placing Jaguar at the forefront of the electric vehicle revolution."

The all-electric I-PACE reflects Novelis' and Jaguar Land Rover's common vision of delivering a cleaner future and more sustainable vehicles. The companies hold a leading position in sustainability by using high recycled-content alloys on all Jaguar Land Rover body structures that reduces the overall carbon footprint in their products. Since 2013, the Novelis recycling plant in Latchford, UK has provided the British car manufacturer with a closed-loop recycling solution by converting the car manufacturer's aluminium production scrap metal into new material for automotive sheet.

Electric vehicle growth is projected to increase significantly in the next decade leading to changes in physical and functional requirements in body-in-white impacting future vehicle design. Novelis is a supplier of choice for automakers throughout their development journey to collaborate with OEMs on how to adopt aluminium in body-in-white and offer solutions to meet the new requirements, such as package space for batteries or HV components, integration of e-engines or changes in weight distribution or frontal crash concepts. Aluminium helps achieve dramatic weight loss, increase fuel efficiency, reduce emissions and provides equal or better quality, strength and durability compared to other materials.

The I-PACE is designed and engineered by Jaguar Land Rover in the UK and is built in Austria as part of a manufacturing partnership with Magna Steyr. The Novelis aluminium products used in the I-PACE are sourced from plants in Sierre, Switzerland and Nachterstedt, Germany.

### **About Novelis**

Novelis Inc. is the global leader in aluminium rolled products and the world's largest recycler of aluminium. The company operates in 10 countries, has approximately 11,000 employees and had \$11.5 billion in revenue for its 2018 fiscal year. Novelis supplies premium aluminium sheet and foil products to transportation, packaging, construction, industrial and consumer electronics markets throughout North America, Europe, Asia and South America. Novelis is a subsidiary of Hindalco Industries Limited, an industry leader in aluminium and copper, and metals flagship company of the Aditya Birla Group, a multinational conglomerate based in Mumbai, India. For more information, visit [novelis.com](http://novelis.com) and follow us on Facebook at [facebook.com/NovelisInc](https://facebook.com/NovelisInc) and Twitter at [twitter.com/Novelis](https://twitter.com/Novelis).

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