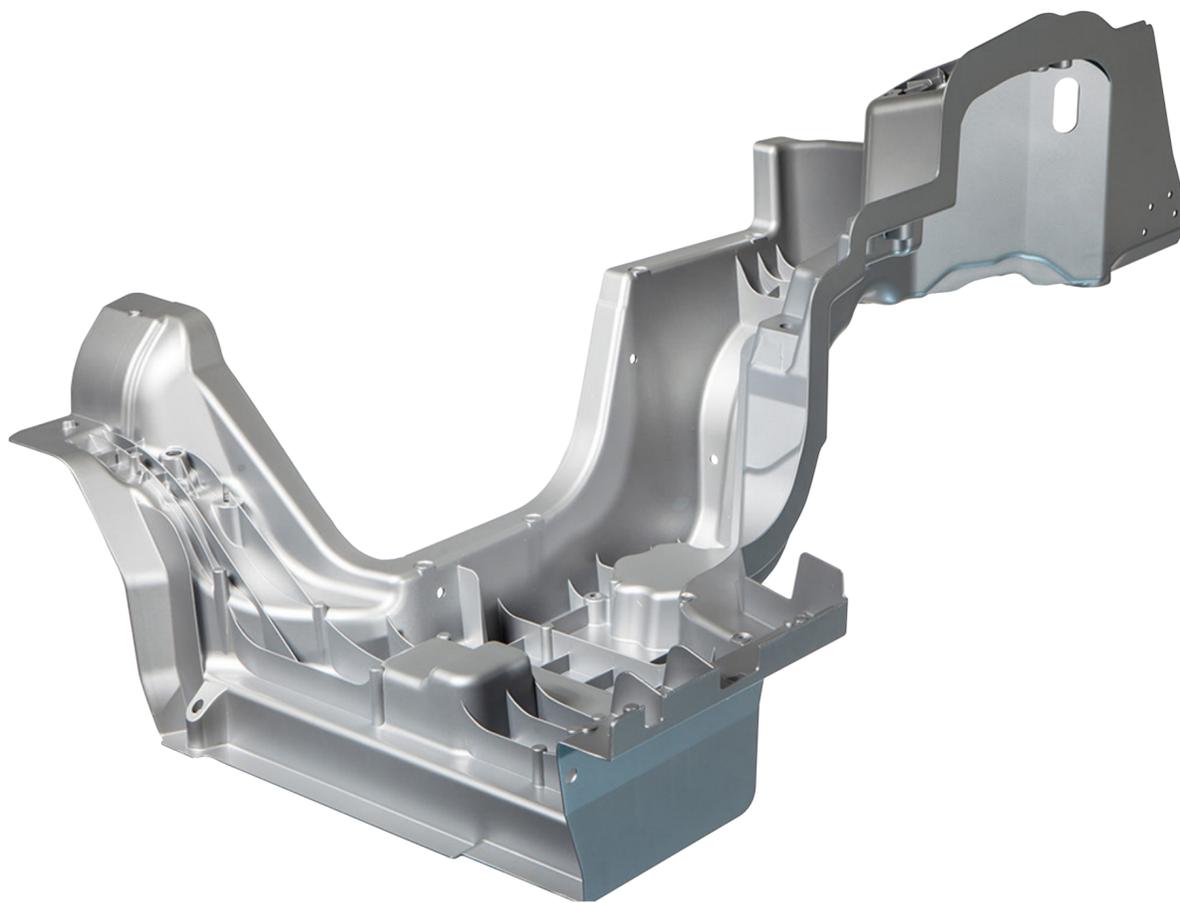


2016 Enlighten Award
Nominee



Magna Jaguar Land Rover Rear Rail



Magna, together with Jaguar Land Rover developed a high vacuum, high-pressure die cast aluminum alloy rear rail. By incorporating a high vacuum for the high pressure die casting allows the casting to be heat treated without blistering, which brings a combination of strength and ductility for the component. With the higher heat treatment temperature an increase to weight savings can occur.

Category:
Module

Application:
2015 Jaguar Land Rover Range Rover

Weight Savings:
50% when compared to previous conventional stamped steel assembly

Methodology:
**Structural Optimization,
Casting Simulation**