Arconic-invented C6A1 allows automakers to create high-form lightweight design solutions in applications that require strength and durability. Arconic is the sole-source for this alloy, used by FCA to take significant weight out of the Jeep Wrangler doors. FCA is also using C6A1 alloy as a solution for other popular production vehicles (in new applications).

Category: Enabling Technology
Application: 2018 Jeep Wrangler

Weight Savings: 200 lbs
Lighter than the previous model

Methodology: Material Optimization