HOW IT WORKS: SUPERTRUCK

By reexamining every component of the truck – from the bumper to the back of the trailer – Volvo Trucks was able to drastically reduce the vehicle weight as part of the SuperTruck project. In fact, these lightweight features reduced the SuperTruck's weight by 3,200 pounds.



ALUMINUM FRAME ASSEMBLY

The SuperTruck's chassis is almost entirely made of aluminum; only the bolts holding it together are steel. The aluminum chassis is almost half the weight of traditional steel, and has the greatest impact on the vehicle weight.

COMPOSITE AERO DEVICES

Our SuperTruck partner Ridge Corp developed trailer add-on aerodynamic devices made of composite materials in order to meet the desired durability and stiffness without compromising payload capacity. When these fairings are done saving fuel on trailers, their material can even be recycled and used to make new aero devices.