

# 2016 Enlighten Award Nominee



## SML ISUZU Rs 513 Bus



The Rs 513 Bus has been optimized to reduce the full-vehicle weight by reducing weight of from numerous components, brackets, and the vehicle's tube structure. Design optimization techniques were employed to minimize the thickness of the tube structure to drive down the weight of the frame without compromise to safety.

Category:  
**Full Vehicle**

Application:  
**Rs 513**

Weight Savings:  
**19lbs** removed when compared  
to previous model

Methodology:  
**Topology Optimization**

Presented in collaboration with:

**CAR**  
CENTER FOR AUTOMOTIVE RESEARCH