

# 2016 Enlighten Award Runner Up - Full Vehicle



## BMW 2016 7 Series



Whole vehicle lightweight concept of the all new BMW 7 Series. Besides the measures that focus on the use of lightweight materials such as carbon fiber reinforced plastics (CFRP), aluminum and high strength steels, the lightweight approach contains new intelligent concepts like the new acoustic insulations that achieves better acoustic comfort with less weight, compared to former solutions.

Category:  
**Full Vehicle**

Application:  
**2016 7 Series**

Weight Savings:  
**286lbs** removed from  
comparable predecessor

Methodology:  
**Material Replacement**

Presented in collaboration with:

**CAR**  
CENTER FOR AUTOMOTIVE RESEARCH