



Golden Dragon Bus Autonomous Bus

Xiamen Golden Dragon Bus aimed to reduce the curb weight of their 6m EV bus while maintaining the existing styling. The baseline design used a closed ring arrangement of frames and was partly replaced by metal forming panels. All requirements regarding strength, functionality and styling could be met by introducing stamped panels for the roof, the middle floor and the rear end of the bus. To ensure the manufacturing of this hybrid solution (stamped panels and frame structure), the interface between both had to be redefined. The overall weight reduction was more than 160 kg. Comparing to its original BIW mass of 880 kg, the new structure weight is less than 720kg.

Category:
Full Vehicle

Application:
2018 Golden Dragon Bus

Weight Savings:
160 kg
Lighter than the previous model

Methodology:
Material Replacement

Presented in partnership with:



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