



**InnoTrans 2018**  
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**INNOVATIONS  
AND TRENDS**

## Hybrid shunting locomotives



Hybrid AC drive shunting locomotive

The hybrid AC drive shunting locomotive was designed to operate on European railways in conformance with TSI & EBA certification procedures. The locomotive will haul non-passenger trains on Germany's railway network and shunt locomotives in maintenance areas. With hybrid diesel and electricity power, the locomotive can travel at speeds up to 80 km/h. A reliable bogie has been developed with distributed axle box, hollow shaft and hourglass spring for easy maintenance. The locomotive has a single driver cab, wireless remote control shunting system, PZB system, IMS system and has provision for the ETCS system expansion interface, providing new solutions for rescue on the mainline and shunting in the depot.

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Subject to further change