



**InnoTrans 2018**  
18-21 SEPTEMBER  
BERLIN



**INNOVATIONS  
AND TRENDS**



## Reducing exhaust emissions by half is achievable



DE 18 locomotive from the AKIEM production series



DE 18 prototype to be converted to Smart Hybrid Locomotive

For the first time ever, Vossloh Locomotives is exhibiting a DE 18 locomotive from the AKIEM production series. A wealth of innovative functionality ensures that this machine stands out from the crowd. The use of various EcoPlus settings in low power applications can reduce exhaust emissions by half. With Stage IIIB emission standard certification, the goal for 2019 is to obtain approval for use with KVB/TVM train protection systems on the high-speed network in France. In addition, Vossloh is working on a Smart Hybrid Locomotive, whose 1,800 kW diesel engine will be supplemented with a 150 kWh battery pack. Integrated in the ultra-modern drive train with ETCS (BL2) country approvals for Germany, France and Luxembourg, this optional module will undergo extensive testing in 2019 and should be approved for commercial operations in 2020.

**Vossloh Locomotives GmbH**  
**Germany - Kiel**  
**Outdoor Display 4/205**  
Contact: Verena Jeroch  
Phone: +49 431 39992613  
[verena.jeroch@vl.vossloh.com](mailto:verena.jeroch@vl.vossloh.com)  
[www.vossloh-locomotives.com](http://www.vossloh-locomotives.com)

Subject to further change