



InnoTrans 2018
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BERLIN



**INNOVATIONS
AND TRENDS**



A new generation of double deck very high-speed trains



An optimised architecture reducing energy consumption and maintenance costs



A highly modular & evolutive train offering best passengers experience coupled with high capacity

With its Avelia Horizon™, Alstom reinvents the concept of concentrated traction for very high-speed, taking into account the latest operational needs and incorporating the most innovative solutions on the market. Thanks to its new compact power cars and its optimized architecture, Avelia Horizon™ allows higher flexibility in train configuration (easy addition or removal of passenger cars) and higher modularity of interiors (easy reconfiguration of passenger areas in a record time). It also maximizes space for passengers, offering up to 40% additional capacity compared to conventional high-speed trains, while ensuring the best level of comfort and safety. A specific focus has put on reducing operating costs. In particular, energy consumption has been reduced thanks to improved aerodynamics and traction drive efficiency; and maintenance costs have been lowered supported by state-of-the-art maintenance tools, such a remote diagnostics.

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Subject to further change