

Alstom and Verkehrsverbund Mittelsachsen present a new battery-powered electric train in Germany

- An important step in the strategy to reduce pollution on non-electrified lines
- This battery-powered train has a range of up to 120 kilometres
- Alstom offers a complete range of traction solutions with zero direct carbon emissions

21 August 2023 – Alstom, global leader in smart and sustainable mobility, and the Central Saxony transport authority, Verkehrsverbund Mittelsachsen (VMS), presented today in Chemnitz, Germany, a new battery-powered train developed by Alstom. A total of eleven Coradia Continental battery-electric trains have been ordered by VMS. These trains will enter service in 2024 on the Chemnitz-Leipzig line.

Müslüm Yakisan, President of Alstom Region DACH: “Alstom’s ambition is to be the global leader in sustainable mobility, reducing emissions and pollution in catenary-free operation. The presentation of the first battery-powered train developed by Alstom is an important step in this direction. With the Coradia iLint, Alstom also has the world’s first hydrogen train in commercial service in its portfolio. With hydrogen and battery trains, Alstom offers its customers two environmentally friendly alternative drive solutions for rail.”

Mathias Korda, Managing Director of Verkehrsverbund Mittelsachsen GmbH (VMS): “With the battery trains from Alstom, we want to start into the future of local rail passenger transport. We will be able to run electrically on one of the most important rail routes in the transport association without it already being electrified. Being able to travel cleanly, environmentally friendly and comfortably between Chemnitz and Leipzig is the result of the interplay between regional ownership as a transport association and innovative technology from Alstom.”

A comfortable, high-performance train

The Coradia Continental battery-electric train has a range of up to 120 kilometres and can be operated under catenary as well as on non-electrified sections of line. The three-car trains are 56 metres long and seat 150 passengers. In battery mode, they will reach a maximum speed of 160 km/h. The capacity of the high-performance lithium-ion batteries is calculated to guarantee catenary-free operation on the Chemnitz-Leipzig line without sacrificing performance or passenger comfort.

The German sites of Salzgitter and Mannheim are involved in the production of the battery electric trains. The battery traction subsystem is designed and supplied by Alstom’s Tarbes site, a world centre of excellence for green traction systems.

A complete portfolio of solutions with zero direct carbon emissions

Alstom offers the largest and most complete rolling stock portfolio of traction technologies with zero direct emissions, from hydrogen fuel cells to battery and electric. Introduced in 2016, Coradia iLint is the world's first and only operational passenger hydrogen-powered train. This green traction train is quiet and emits only water. Alstom has also developed battery traction solutions across multiple product platforms to serve shorter non-electrified lines.

In addition, Alstom's green traction solutions offer the opportunity to convert existing diesel trains to traction with zero direct emissions.

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About Alstom

Alstom commits to contribute to a low carbon future by developing and promoting innovative and sustainable transportation solutions that people enjoy riding. From high-speed trains, metros, monorails, trams, to turnkey systems, services, infrastructure, signalling and digital mobility, Alstom offers its diverse customers the broadest portfolio in the industry. With its presence in 63 countries and a talent base of over 80,000 people from 175 nationalities, the company focuses its design, innovation, and project management skills to where mobility solutions are needed most. Listed in France, Alstom generated revenues of €16.5 billion for the fiscal year ending on 31 March 2023. For more information, please visit www.alstom.com.

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