

Media release

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Berlin, 26 September 2024

Stadler and SBB Cargo sign a Frame Agreement to supply 129 Bo'Bo' multisystem locomotives

Stadler introduces the new interoperable and multisystem Bo'Bo' locomotives for continental Europe with the first contract for 36 units. The agreement includes an option for 93 additional vehicles.

The Swiss freight operator awards Stadler the tender launched in early 2024 for the supply of thirty-six electric multisystem (25 kVAC/ 15 kVAC / 3 kV DC) locomotives. SBB Cargo will replace its in-age-coming locomotives Re420 and they have found in Stadler a reliable partner for the new generation of electrical multi-system Bo'Bo' locomotives.

The new Bo'Bo' locomotives are the natural evolution of the proven successful EUROLIGHT, EURODUAL and EURO9000 families designed for freight and passenger service in European railways.

The locomotives are at the cutting edge of technology to cover every current and future need in an efficient and reliable way offering freight operators economic, environmental, and operating benefits. Their flexible design allows to include two 500 kW diesel engines or two traction battery modules providing up to 2MW power for last mile operations in non-electrified tracks. A combination of both is also possible. They are equipped with a Radio Remote Control System for operation on track works or shunting operations on yards.

From a performance, efficiency and flexibility perspective, the locomotives set a milestone in the European Bo'Bo' segment. They provide a maximum tractive effort of up to 350 kN and a tractive power of 7 MW at wheel rim. Among other operational advantages, its low energy consumption and the option for a digital automatic coupler stand out.

They meet the technical specification for interoperability (TSI) and are equipped with various country packages. These include conventional automatic train protection systems and ETCS to ensure smooth cross-border operations. The initial configuration with Switzerland, Germany, and Austria can be extended to other countries in the future.

The locomotives are provided with two driving cabs designed according to the most demanding ergonomic criteria and fully comply with the comfort and noise requirements of the latest European standards. The cabs which include an HVAC system, ensure the maximum driver comfort in the operating environment. Each cab is equipped with two rear-view cameras and two side control panels to facilitate shunting operations.

Iñigo Parra, Executive Vice President of Stadler Division Spain, says: "We have used all of our experience from previous successful families to offer the next-generation solution for rail transportation with the new Bo'Bo' locomotive. I am convinced it will set a new standard in this segment."

Alexander Muhm, Head of Freight Services at SBB, says: "A modern and efficient fleet is a prerequisite for successful rail freight transport at SBB. We are confident that, with the vehicles from Stadler, we are acquiring a locomotive with which we can reliably serve our customers and lead Swiss rail freight transport forward into the future. We are taking a central step in the necessary transformation of rail freight transport. "

Photo credit: © Stadler

F.l.t.r.: Iñigo Parra, Executive Vice President of Stadler Division Spain, Daniel Zollinger, Director Asset Management of SBB Cargo, Alexander Muhm, Head of Freight Services at SBB, Peter Spuhler, Chairman of the Board of Directors Stadler and Ansgar Brockmeyer, Head of the Sales & Marketing Division and Deputy Group CEO at Stadler.

About Stadler

Stadler has been building trains for 80 years. The provider of mobility solutions in rail vehicle construction, service and signalling has its headquarters in Bussnang in eastern Switzerland. It has a workforce of around 14,500 based in various production and engineering locations as well as more than 80 service locations. The company is conscious of its social responsibility for sustainable mobility and therefore stands for innovative, sustainable and durable quality products. The product range in the field of mainline railways and city transport includes high-speed trains, intercity trains, regional and suburban trains, metros, tramways and trams. Stadler also manufactures main-line locomotives, shunting locomotives and passenger carriages. It is the world's leading manufacturer in the rack-and-pinion rail vehicle industry.

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