

Media Release

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Stadler is fitting Deutsche Bahn vehicles with signalling equipment

Stadler and DB Netz AG signed a contract for retrofitting up to 80 maintenance and track service vehicles with the Stadler ETCS train control system GUARDIA (European Train Control System). The GUARDIA system will be used for the first time on a large scale in the maintenance sector at Deutsche Bahn.

Stadler won the Europe-wide tender for retrofitting its in-house developed train control solution GUARDIA (ETCS Baseline 3.6.0) in up to 80 special vehicles belonging to DB Netz AG. Initially, the system will be fitted into eight maintenance and track service vehicles of the series 711.1 and 741.X that will be in use on the DB Netz AG networks in Germany and Switzerland as of 2024. The order includes an option for up to a further 72 vehicles.

This retrofitting project is the second time that GUARDIA has been fitted into Deutsche Bahn vehicles: The DB Advanced Train Lab of the series BR 605 that was exhibited at the Innotrans 2022, and two locomotives of the type BR 185.2 were also fitted with GUARDIA during a pilot project.

This greatly increases the reliability and safety of those maintenance and track service vehicles that are fitted with this system because, in comparison to older ETCS versions, the ETCS Baseline 3.6.0 comes with additional operative functions. These lead to time savings and allow the vehicles to be used more efficiently.

The GUARDIA ETCS train control system is approved and is in use in several countries, for instance in the new FLIRT trains of the BLS AG in Switzerland as of 2021, and also in Germany, Poland, Hungary, Slovenia and The Netherlands. The latest version Baseline 3.6.0 has already been approved for Germany and The Netherlands.

Marc Trippel, Head of the Signalling Division at Stadler: "We are very proud to be handling this future-oriented order for Deutsche Bahn. This decision reflects the trust in Stadler's GUARDIA ETCS solution that was built during the pilot project. By retrofitting the infrastructure-relevant maintenance and track service vehicles, we are making an important contribution to digitalising the German rail network. We look forward to working with Deutsche Bahn."

About Stadler

Stadler has been building trains for over 80 years. The headquarters of the supplier of mobility solutions to the railway vehicle sector are located in the town of Bussnang, in eastern Switzerland. More than 13,000 employees work on the production and engineering sites, as well as over 70 service sites. The company is aware 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 urban transport includes high-speed trains, intercity trains, regional and suburban railways, underground railways, light railways and trams. In addition, Stadler produces main-line engines, shunters and passenger carriages. Stadler is the world's leading manufacturer of cog railway vehicles.

Stadler delivers signalling solutions and services to ensure efficient, digital and sustainable railway operations. The broad signalling portfolio includes solutions in the fields of: automatic train operation (ATO), train control (ETCS, Class B), reliably supported driving through to driver-free operation (CBTC), and also conventional and modern infrastructure technology including switch equipment (relay and electronic signal boxes).

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