

Media release

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Arriva and Stadler sign contract to refit trains with ETCS automatic train protection system GUARDIA

Arriva Nederland and Stadler signed a contract to refit 36 trains with the European Train Control System (ETCS) GUARDIA. The project will include the homologation of GUARDIA for the Netherlands, Belgium and Germany. The fleet of 36 trains includes 8 trains that have already been used on the international train line RE18 in Limburg. The regional carrier Arriva is the first in the Netherlands to order the system to make its trains suitable for the European Rail Traffic Management System (ERTMS). The first trains with the built-in system will be ready for use in 2022.

Stadler will refit 36 FLIRT trains from Arriva's fleet that run in Limburg with its ETCS automatic train protection system known as GUARDIA. Eight of these trains are dedicated to cross-border operation on the RE18 train line. For this reason, the homologation of the system in the countries served by RE18 – the Netherlands, Belgium and Germany – is a part of this contract. Arriva is the first carrier for regional transport in the Netherlands to sign a contract for the installation of the ETCS system in its trains. It is the first time for Stadler to win a contract to refit trains with its own ETCS system.

The installation of GUARDIA into the trains will be carried out at Stadler's service center in the Netherlands. The assignment will be executed between 2020 and 2024. The first refitted trains will enter operation on the cross-border track in 2022.

Anne Hettinga, Chairman of the Executive Board of Arriva Nederland, said: "With this agreement, Arriva Nederland underlines the importance of values like safety and innovation. It is great to be a leader in this national and European program as a provider of regional public transport."

Jürg Gygax, Director of the Service Division at Stadler, said: "We're proud that we have been trusted with this project. Refitting trains with GUARDIA and the homologation of our ETCS system in three countries is an important milestone for both our service and signalling business. We look forward to the continuation of our long-term partnership with Arriva in the Netherlands."

ERTMS refers to the modern European standard for automatic train control, which facilitates harmonisation on throughout Europe. It is a combination of a system in the train (ETCS) and in the underlying track. It further increases the safety and efficiency of train traffic, and it facilitates the crossing of national borders. The ETCS system GUARDIA involves the installation of both hardware and software on the train. It allows the train driver

to visualise the train's position, speed and additional data, with all these details transmitted to the control centre. Data such as track warrants can be obtained at the same time.

About Arriva Nederland

Arriva Nederland is part of Arriva Group, which Deutsche Bahn owns. Arriva provides passenger transport and is active in 14 European countries. Arriva has about 5,500 employees in the Netherlands. You will meet us in the provinces of Drenthe, Flevoland, Fryslân, Gelderland, Groningen, Limburg, Noord-Brabant, Overijssel and Zuid-Holland. In addition to train and bus transport, together with Koninklijke Doeksen we sail the Waterbus in South Holland and we are active in in the Dutch coach industry under the name Arriva Touring. Arriva Touring also provides transport at Amsterdam Airport Schiphol.

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About Stadler

International rail vehicle construction company, Stadler, is headquartered in Bussnang in Eastern Switzerland. Founded in 1942, it has a workforce of around 11,000 based in various production and over 40 service locations. Stadler provides a comprehensive range of products in the heavy and urban transport segments: High-speed trains, intercity trains, regional and commuter heavy rail trains, underground trains, tram trains and trams. Stadler also manufactures main-line locomotives, shunting locomotives and passenger carriages, including the most powerful diesel-electric locomotive in Europe. It is the world's leading manufacturer in the rack-and-pinion rail vehicle industry.

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