

**Press release**

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Bussnang/Berlin, 27st July 2016

**Stadler is making its mark at InnoTrans**

Once again, Stadler will be presenting revolutionary rail vehicles at InnoTrans in Berlin. Stand 103 in hall 2.2 and our stands on the outside exhibition area will focus on presenting modern and individual vehicle concepts. Their technical innovations, high performance and environmentally friendly aspects really set these vehicles apart. Stadler Service will be presenting its spectrum of services at stand 238 on the outdoor exhibition area: maintenance, provision of spare parts, repairs and modernisation of rail vehicles. Stadler will also be offering information about education, studying and internships at the career point in hall 7.1 c.

EC250, the world's first standard low-floor high speed multiple-unit train, will be cruising through the newly opened Gotthard base tunnel from 2019 and this is a highlight amongst the new products on display. Further innovations that will be presented on the outdoor exhibition area from the 20th to the 23rd of September include FLIRT for The Netherlands, the EURODUAL locomotive for the UK, the VARIOBAHN for Aarhus/Denmark, the CITYLINK tram-train for Chemnitz/Germany and a sleeping couch for Azerbaijan. For the first time, a model of the new S-Bahn Berlin in a scale of 1:25 will be presented at the Stadler stand.

Stadler will be presenting the following six vehicles on the outside area at the InnoTrans:

**EC250, a low-floor high speed multiple unit train for SBB, Switzerland**

First up, our brand new product – Stadler's very first high speed multiple unit train – is the main highlight at this year's InnoTrans. This high speed train is being built for the Swiss Federal Railway (SBB) and is a symbol of the company's innovative capacity.

In October 2014, the SBB ordered 29 eleven-part high speed trains from Stadler, of the model EC250. Less than two years later, the first carriages are already being presented at InnoTrans! The electric multi-system train units reach speeds of up to 250 km/h and will be certified in accordance with TSI-Highspeed regulations. Step-free, low-floor access, air conditioned passenger compartments, multi-functional and bike

compartments and modern WC systems – user friendly for families, seniors and people with limited mobility – ensure a comfortable travel experience. Each of the trains have 403 seats, of which 117 are first class and 286 second class, with 17 seats in the dining compartment. The extensive comfort features and the transparent and open design contribute to the high-quality travel experience. Beginning in 2019, the trains will travel in record time from Zurich to Milan and later from Frankfurt to Milan. The trains are suitable for use on both conventional and high speed tracks. Tried and tested technologies will be combined with the operational requirements of the new trans-Alpine base tunnel. Also, the trains – baptised “Giruno” by the SBB – will be authorised for use in Germany, Austria and Italy.

#### **FLIRT for NS Reizigers, The Netherlands**

In April 2015, the Dutch railway company NS ordered 58 three and four part low-floor multiple unit trains of the model FLIRT: The trains will be operated by NS Reizigers, used on regional tracks and are intended to travel at speeds of up to 160 km/h. The new FLIRT generation fulfils technical specifications for interoperability TSI PRM, as well as the standards for crash regulations pursuant to DIN EN 15227. The trains’ air suspension systems offer an outstanding level of comfort: Able to accommodate between 158 and 214 passengers (depending on the length of the train), the trains offer comfortable seating in an air conditioned, colourful interior. Space is also available for bikes, pushchairs and wheelchairs.

#### **EURODUAL Locomotive for UK**

Intended for use on secondary freight routes, locomotives also need to be able to travel without electricity, if necessary. The EURODUAL locomotive family was developed with this in mind. The dual mode locomotives offer the required operational flexibility and reduced transport costs because the same locomotive can be used on all tracks, electrified or not. The EURODUAL is a versatile locomotive platform with an impressive performance, both in diesel and in electrical mode, available in 4-axle and 6-axle configuration.

The first order came from Direct Rail Services in partnership with Beacon Rail Leasing Limited: 10 new state-of-the-art Class 88 dual powered locomotives to be used in passenger and freight transport services combining both 25kV electric and diesel operating modes. EURODUAL UK is a 4-axle locomotive adapted to UK gauge, with AC/AC transmission and low axle load.

#### **VARIOBAHN for Aarhus, Denmark**

Stadler will supply the new light rail system in Aarhus with 12 TANGO light rail vehicles and 14 low-floor VARIOBAHN trams. The bidirectional vehicles can be accessed at platform level thanks to a floor height of just 385 mm (100% low-floor). The VARIOBAHN is a modern tram with a modular construction and a high level of flexibility in terms of its length, width, gauge and the catenary supply voltage. The trams for Aarhus

are equipped with air conditioning and a modern passenger information system. They also have modern LED lighting that adjusts automatically to suit the amount of daylight, as well as Wi-Fi for passengers and sockets in the seating areas.

## **CITYLINK for Chemnitz, Deutschland**

Verkehrsverbund Mittelsachsen is planning to use 12 hybrid tram-trains. The vehicles are intended for use on the light rail system and on the mainline rail network. The tram-trains can reach maximum speeds of up to 100 km/h. For this reason, the bi-directional tram-trains have been designed pursuant to BOStrab and EBO. They are operating under an additional voltage of 600V/750V DC on the light rail system and using diesel on the mainline rail network. The vehicles are also suitable for use on platforms with different heights and are equipped with toilets and luggage racks. The modular, barrier-free and low-floor light rail system offers passengers a high level of security and comfort – not least due to the passenger information system and the quiet operation.

## **Sleeping Coaches for Azerbaijahn**

Stadler is building sleeping coaches for the state rail network in Azerbaijan (ADY). They are intended for international use on the route from Baku (Azerbaijan) via Tiflis (Georgia) to Kars (Turkey) and then on to Istanbul. The carriages have been fitted with a pivot mounting with an adjustable gauge wheelset to ensure that they can be used on both the typical Russian broad gauge tracks used in Azerbaijan and Georgia as well as in normal gauge used in Turkey (and the rest of Central Europe). The operational speed is 160 km/h. Every carriage is equipped with an emergency power generator that allows the carriages to operate for 24 hours without using an auxiliary power supply line charged by the locomotive. The coaches are equipped with vacuum toilets and showers (in each first class compartment). The compartment for disabled passengers is fitted with wheelchair lifts and a cabin for the train manager. The carriages fulfil GOST and UIC specifications.

## **Presentations by Stadler:**

20.09.2016 11 am-12 pm

Platform 9/40, position 1

FLIRT presentation (for NS, The Netherlands)

20.09.2016 2 pm-3 pm

Platform 8/43, position 2

Presentation of the EURODUAL locomotive (for Beacon Rail Leasing Limited (BRLL), United Kingdom)

21.09.2016 11 am-12 pm

Platform 4/15, position 5

Presentation of the Variobahn (for Aarhus Letbanen I/S, Denmark)

21.09.2016 2 pm-3 pm

Platform 8/40, position 1

Presentation of the EC250/Giruno (for the SBB, Switzerland)

22.09.2016 11 am-12 pm

Platform 4/29, position 16

Presentation of the tram-train CITYLINK Chemnitz (for Verkehrsverbund Mittelsachsen (VMS), Germany)

22.09.2016 2 pm-3 pm

Platform 9/42, position 2

Presentation of sleeper cars (for Azarbycan Damir Yollari (ADY), Azerbaijan)

**Where to find Stadler at InnoTrans:**

Hall 2.2/ stand 103 – main stand

Outside exhibition area O / stand 238 – Stadler Service

Hal 7.1c/ career point stand 201i

Open-air exhibition ground sites:

- T9/40
- T8/40
- T9/42
- T4/15
- T4/29
- T8/43

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## About Stadler Rail Group

*Stadler has been building trains for 75 years. Based in Bussnang, east Switzerland, Stadler provides solutions for rail vehicle construction. Approximately 7000 employees work in productive collaboration in locations in Switzerland, Germany, Spain, Poland, Hungary, the Czech Republic, Italy, Austria, The Netherlands, Belarus, Algeria, Australia and the USA. Stadler offers a comprehensive product range in the field of standard gauge railways and local city transport including: high speed trains, intercity trains, regional trains and rapid transit systems, metros, tram-trains and trams. Furthermore, Stadler manufactures main-line locomotives, shunting locomotives and passenger carriages and also produced Europe's most powerful diesel-electric locomotive. Stadler remains the world leader in the production of rack-and-pinion rail vehicles. Stadler Service is responsible for maintaining 16 vehicle fleets comprising over 300 vehicles with an annual kilometre reading of 72 million kilometres.*

*In 2016 Stadler became part of an historical project: The world's longest railway tunnel, the Gotthard base tunnel, was officially opened in June. From 2019, the new "Giruno" Stadler Gotthard trains will transport passengers through the tunnel from Switzerland to Milan in record time, and later from Frankfurt to Milan.*

*Further Stadler statistics: Over 1300 examples of our bestseller FLIRT (Flinker Leichter Innovativer Regional Triebzug- Fast Light Innovative regional Train) have already been sold in a total of 17 countries. Our KISS (Komfortabler Innovativer Spurtstarker S-Bahn-Zug - Comfortable Innovative Strong Spurt urban train) model is also in high demand: 216 examples have been sold in 7 countries. Europe's most powerful diesel-electric locomotive, the Euro4000, has been sold 130 times in 7 countries.*

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