

Media release

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Stadler at InnoTrans 2024: Class 99 bi-mode Co'Co' locomotive to be unveiled

Demonstrating Stadler's commitment to developing rail freight in the UK, the Class 99 bi-mode Co'Co' locomotive will be officially revealed at InnoTrans in Berlin on 25 September. Beacon Rail and GB Railfreight have commissioned 30 of these vehicles in an order that is the first of its type in the UK and builds on the success of the EURODUAL six-axle locomotives sold in mainland Europe.

Stadler will display the Class 99 bi-mode Co'Co' locomotive at InnoTrans in Berlin this week, giving delegates the opportunity to see the trail-blazing new vehicle being supplied to Beacon Rail and GB Railfreight. The 30 vehicles will herald a new generation of locomotives, providing a range of economic and environmental benefits that underscore Stadler's green credentials.

Adapted for use on the UK railway network, the Class 99 is based on the proven EURODUAL locomotive concept and features a dual drive system. This enables the locomotive to operate in purely electric as well as in diesel-electric mode, allowing it to run on both non-electrified and on electrified lines, potentially replacing diesel-powered locomotives and helping cut carbon emissions on the UK railway.

The Class 99 is able to operate on a 25 kV AC electrified line, has a power of 6,000 kW at the wheel and features a high-power low-emissions Stage-V engine. With an impressive tractive effort of 500 kN, it can reach speeds of up to 120 km/h, boasting high hauling capability and performance.

The cab is designed with the driver in mind, and is a safe, modern and comfortable working environment. A centrally positioned seat in combination with the huge front window ensures excellent visibility. State-of-the-art cameras provide direct views of pantographs, shunting zones and the area in front of the locomotive. The two protection systems required on British rail networks, AWS and TPWS have been fitted; ETCS will soon be installed.

Iñigo Parra, CEO of Stadler Valencia, commented:

"Along with our clients, GB Railfreight and Beacon Rail, we are delighted to be presenting this fantastic locomotive, which is testament to Stadler's commitment to green technology. Set to be a game changer in UK rail freight, this environmentally-friendly, efficient and powerful vehicle will encourage modal shift from road to rail, helping the UK decarbonise the railway and supporting net zero targets."

John Smith, Chief Executive Officer of GB Railfreight, said:

"The Class 99s represent a game changing moment for the UK rail freight industry improving the resilience of our fleet and reducing journey times. These locomotives will be the first to offer rail freight customers the chance to run wholly sustainable, heavy-haul services the length and breadth of the country."

Adam Cunliffe, Chief Executive Officer of Beacon Rail, added:

"Beacon is proud to introduce the Class 99 to the market; this is the result of a collaborative approach with our long-standing customer GB Railfreight and manufacturer Stadler. The Class 99 order underlines Beacon's drive to support the UK's journey towards a greener and more efficient rail network."

Stadler has a 16-year full service contract with GB Railfreight, comprising tailored maintenance solutions, modernisation and overhaul and the provision of spare parts and material supplies. It covers vehicle repairs and service support, as well as the management of rail data and maintenance software.

The Class 99 will be presented by Stadler and its two clients on track T04/19 on 25 September 2024 at 11:00. All InnoTrans delegates are welcome.

About Stadler

Stadler has been building trains for over 80 years. The provider of mobility solutions in rail vehicle construction, service and signalling technology has its headquarters in Bussnang, eastern Switzerland. It has a workforce of over 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. Follow Stadler on [LinkedIn](#), [YouTube](#), [Facebook](#) and [Xing](#).

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