

Berlin, 24. September 2026

Modula: From a single vehicle to a platform

One of our highlights at InnoTrans 2026 is undoubtedly the Modula BDD in the DB Cargo livery.

Our InnoTrans motto this year – **Continuity. Reliability. Commitment.** – not only reflects our long-term commitment to the European rail market. Given our growing role as a European centre of excellence for innovative mobility solutions within the CRRC ZELC Group, Vossloh Rolling Stock stands for innovative strength, perseverance and confidence.

An excellent example of this is the revolutionary Modula platform, which offers customers and operators maximum adaptability and future-proofing. In addition to utilising low-emission technologies, energy sources can be flexibly combined to meet specific requirements.

‘Moments in Motion‘

The two Modula variants, BDD and EBB, are currently undergoing successful test campaigns. Whilst a vehicle test campaign is usually geared towards testing a clearly defined individual vehicle, we have expanded this approach for the Modula to include a platform- and module-based perspective. The combination of cross-model testing, modular hardware and software architecture, and the use of shared validation data across multiple vehicle variants characterises the specific design of the Modula test campaign. Through this approach, we are aiming for a faster approval process. We will be showcasing the milestones of this test campaign at InnoTrans 2026 as ‘Moments in Motion’.

The Modula variant chosen by DB Cargo, Modula BDD, features two diesel generator sets and a traction battery as an energy storage system. Whilst the combined output of the two latest-generation diesel engines exceeds 900 kW, and optimised control of the second engine at its optimum operating point enables significantly reduced fuel consumption and CO₂ emissions, whilst the battery capacity exceeds 120 kWh. The energy storage system, featuring extremely safe and durable lithium-ion cells, can be charged both externally (plug-in) and whilst the train is in motion, for example by utilising braking energy.

For further information, please visit us at our **stand O/330 in the outdoor exhibition area** at InnoTrans or online at www.vl-rs.com.

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Vossloh Rolling Stock

With its integration into the parent group CRRC ZELC, Vossloh Rolling Stock opened a new chapter for the future in 2020. This strong partnership lays the foundation for significantly expanding our product range and driving forward technological innovations and sustainable concepts even faster. We benefit from economies of scale in production and investments in our manufacturing and service capabilities. Today, we cover the entire value chain of a locomotive – from locomotive design and engineering, through platform production in a state-of-the-art facility, to bespoke service encompassing all ECM functions.

As one of Europe's leading locomotive manufacturers and a company steeped in tradition with over 150 years' expertise in locomotive construction, Vossloh Rolling Stock is committed to sustainable mobility – through far-sighted and decisive action, in constant dialogue with our customers. The formula for success, trusted by customers across all sectors – whether state railways, leasing companies or industrial and private railway operators – is traction precisely tailored to their needs. Our focus has always been on highly economical, robust and user-friendly solutions for all transport tasks in shunting and mainline operations. With our technological innovations and resource-efficient manufacturing and service processes, we consistently set industry standards. Ultimately, what sets us apart is that we always view collaboration with our customers and partners as 'Business-to-human' and practise it in a truly personal way.