

PRESS RELEASE

Zeppelin Power Systems at InnoTrans 2016: Complete drive units, a new service center for rail vehicles and a two-way excavator for railway construction

Hamburg, July 12, 2016. At this year's InnoTrans in hall 2.2, stand 303, Zeppelin is presenting three particular highlights: Zeppelin Power Systems is showing its developments for drive trains for the rail market. These installation-ready solutions are complete drive units with perfectly attuned components that precisely meet the challenges posed by each application. The service department is introducing its new competence center for rail vehicles with its own rail connection in Lippstadt – a collaboration with Westfälische Landes-Eisenbahn (WLE). Zeppelin Baumaschinen GmbH, also represented at the trade fair stand, is presenting a new machine for railway construction with the new two-way excavator Cat® M323F.

Drive trains: Complete drive trains and comprehensive application integration from Power Systems

For rail vehicle manufacturers and operators, Zeppelin Power Systems is offering complete drive trains for rail vehicles. The core of this installation kit is a powerful and efficient Cat® diesel engine. In line with the specific requirements, Zeppelin Power Systems engineers integrate additional, premium components for power transmission and torque conversion.

"In our new area of products and expertise, we perform much of our engineering service in advance of application adjustment," says Dirk Weber, Sales Director of Industrial and Rail Applications/Drive Trains at Zeppelin Power Systems, explaining the drive train concept. "The drive unit components are perfectly attuned to each other. In particular, this enables our rail vehicle manufacturers to significantly reduce the complexity of their own project planning and engineering services."

Zeppelin engineers, in close collaboration with the customer, integrate the units into the respective application – from individual component configuration, to all elements of drive unit design, to checking and releasing the final installation. What truly sets this service apart is that Zeppelin Power Systems also works directly with the rail vehicle manufacturer to define and implement the relevant interfaces, enabling optimum integration of the Zeppelin drive train unit into the application. This includes extensive system tests and the required test stations for application design and its optimization. Zeppelin Power Systems also performs testing and audits under operating conditions. From consultancy, to 3D CAD construction, to integration, to application support and complete service, customers receive the full range of services all from one source.

New service competence center for locomotives: Zeppelin Power Systems now offers its own rail connection in Lippstadt

The full range of repairs all from one source, and just one point of contact throughout the overhaul process:

In partnership with Westfälische Landes-Eisenbahn (WLE), Zeppelin Power Systems offers a service competence center with its own rail connection in Lippstadt.

All the required maintenance, repair and upkeep work can therefore be performed quickly and at low cost. "This enables our customers to obtain all the work and spare parts required for their rail vehicle through a single point of contact," says Frank Goldenstein, Head of the Cologne Service Center at Zeppelin Power Systems, explaining the benefits of the new service concept. "This saves both time and money for operators, as hall appointments, holding areas and repair services are available at short notice."

Customers can now have all work performed in Lippstadt, including general inspections: In-house service technicians from Zeppelin Power Systems perform work on and in connection with the engine quickly and professionally on site. All additional work on rail vehicles is performed by Westfälische Landes-Eisenbahn.

"We are working hand in hand at the Lippstadt location," explains Frank Goldenstein. "The WLE has a fully equipped, advanced maintenance and repair hall. It leaves nothing to be desired and includes a gearbox workshop and a wheelset processing service. Zeppelin Power Systems also offers its engine-related expertise for all locomotives driven with Caterpillar engines."

Customers also benefit from the significant manufacturing depth and good availability offered by the central location in the heart of Germany.

Zeppelin Baumaschinen GmbH presents a two-way excavator for railway construction

Zeppelin is also represented at InnoTrans in hall 2.2, stand 303, by Zeppelin Baumaschinen GmbH – another business unit in the Group. The company is introducing a completely newly developed two-way excavator for railway construction in the form of the Cat M323F.

A Cat 4.4L ACERT Twin-Turbo T4F engine with diesel particle filter ensures high power in the new Cat M323F. The new two-way excavator combines a 23.9-tonne working weight and compact dimensions with excellent stability, range and lifting capacity. The M323F will meet the requirements of European standard EN 15746 for railway applications, and is designed to offer the customer even more added value – for example a high level of safety against overturning on the rails, low operating costs, easy operation, straightforward maintenance and outstanding safety features in the convenient driver's cab.

The Cat M323F, with its powerful hydrostatic rail wheel drive is currently in the approval phase and will be available from autumn 2017.

Images:

Caption: Zeppelin Power Systems offers complete drive trains for rail vehicles.



Caption: Zeppelin Power Systems introduces its new service competence center with its own rail connection in Lippstadt – in collaboration with Westfälische Landes-Eisenbahn (WLE).



Caption: Zeppelin Baumaschinen GmbH is introducing an innovative machine with hydrostatic rail wheel drive for railway construction in the form of the two-way excavator Cat M323F.



About Zeppelin Power Systems

Zeppelin Power Systems is the official partner of Caterpillar for Cat, MaK and EMD engines and a leading provider of drive, propulsion, traction and energy systems and has been partnering with Caterpillar for 60 years. With about 800 employees, Zeppelin Power Systems offers their customers individual, highly efficient system solutions with comprehensive services for industrial and marine applications, the oil and gas industry, rail vehicles and power generation.

About Zeppelin GmbH

The Zeppelin Group operates 190 sites around the world. In the 2015 fiscal year, its 7,800 employees generated sales of over 2.3 billion euros. Group-wide collaboration in the Zeppelin Group revolves around a management holding company and six strategic business units: Construction Equipment EU (sales and servicing of construction machines), Construction Equipment CIS (sales and servicing of construction and agricultural machines), Rental (rental and project solutions for the construction and industry sectors), Power Systems (drive, propulsion, traction, and energy systems) and Plant Engineering (engineering and plant engineering) as well as Digital Services and Solutions (new digital business models). Zeppelin GmbH is the Group holding company. It is legally domiciled in Friedrichshafen and has its head office in Garching near Munich, Germany. For more information, please visit www.zeppelin.com.

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