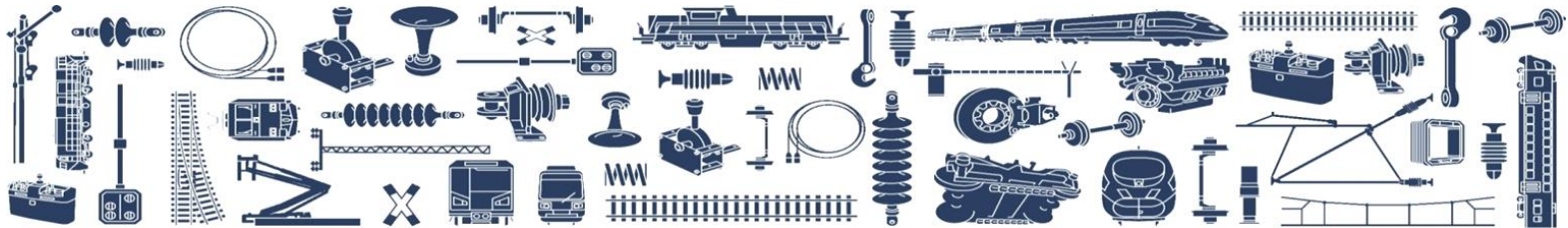


# Digital Service Technologies – From Spare Part Business to maintenance

InnoTrans Convention

Palais am Funkturm, 23th September 2016



[www.bahnindustrie.info](http://www.bahnindustrie.info)

## The German Railway Industry Association

- The German Railway Industry Association (VDB) is the **industrial association** of the **railway equipment and technology manufacturers** in Germany.
- It represents the interests of more than **185 member companies** – many of them are worldwide leading **system integrators** and highly specialised **medium-sized equipment suppliers**.
- The VDB members design and manufacture systems and components for **rail vehicles** and their **infrastructure**. In addition to that they offer a broad range of **services** for the railway technology applications.
- The VDB members employ 51,900 people in Germany alone.

## The VDB member companies



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1.	Martin Husmann, Verkehrsverbund Rhein-Ruhr AöR	Rhein-Ruhr-Express – More quality and technical advancement based on the availability approach
2.	Dr. Sebastian E. Schmid, Bombardier Transportation GmbH	Digital technologies in the maintenance of rail vehicles
3.	Johannes Emmelheinz, Siemens AG	Highest Availability by Digital Services– A holistic approach
4.	Frank Werther, Alstom Deutschland GmbH	Alstom HealthHub - Predictive data analytics for maintenance
5.	Dr. Stefan Spindler, Schaeffler AG	Schaeffler – Digitized solutions for Rail
6.	Frank Wachendorf, HFG Transport-Technik GmbH	ID in Rail: Serialization of components and traceability