

World-class experts. Cutting-edge solutions.



Advancing the rail industry with our world class knowledge

Strategically situated in Derby, in the heart of UK rail, DB ESG has a superb understanding of the market, its rolling stock and the issues that affect our customers.

Our experts have been delivering first class consultancy services to the rail sector for almost 30 years and have developed an enviable reputation for customer focused delivery.



Global railway expertise tailored for the UK

The experienced UK consultancy DB ESG is part of DB Systemtechnik, together we form one of the largest rolling stock consultancies in Europe.

DB ESG is the UK route to market for DB Systemtechnik's products and services, including in depth technical expertise, and providing access to world class facilities. The Deutsche Bahn (DB) Group is one of the world's leading mobility and logistics companies, designing and operating the transport networks of the future.



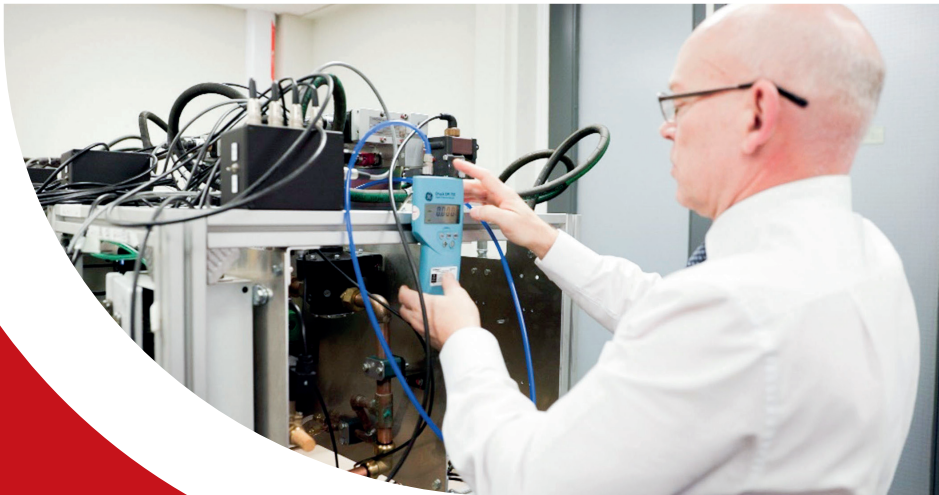
**Our people
Your experts**



Comprehensive technical consultancy; driving advancements in rolling stock

We provide engineering consultancy services for all types of rolling stock.

- Electrical & systems engineering.
- Mechanical design, structural analysis & welding expertise.
- Technical investigations and feasibility studies.
- Digital manufacturing, additive manufacturing (3D printing) and 3D scanning.
- Vehicle interiors compliance, human factors & fire performance.
- Brake performance optimisation using our WSPER laboratory.
- Operational compatibility & Automatic Selective Door Operation (ASDO).
- Approaches to Remote Condition Monitoring (RCM) and Condition Based Maintenance (CBM).





Leaders in the integration and development of new technologies onto rolling stock



We are specialists at incorporating new technologies onto existing and new train fleets, such as:

- European Train Control Systems (ETCS) integration.
- Fleet compatibility modifications enabling vehicles to operate more flexibly.
- Tram safety systems, including a world first SIL2 overspeed protection.
- Operational safety systems, such as selective door operation.
- Major vehicle upgrades to extend operational life and provide resilience.
- Condition monitoring solutions, CCTV, passenger information and communication systems.
- Infrastructure monitoring equipment for track and overhead line.



Focused on innovation and excellence

Our company is evolving and growing.

We are already leading the sector in exciting and cutting-edge technologies, such as our digital manufacturing service, where we use computer aided processes, 3D printing and 3D scanning to physically produce parts, helping to address component supply issues and solve engineering problems.

Our Wheel Slide Protection Evaluation Rig (WSPER) laboratory is also globally recognised as a centre of excellence for its contribution to rail safety.

We are continually seeking solutions that address the challenges faced by our sector, including the reduction of emissions, improvements that enhance customer experience and vehicle amendments that provide better operational resilience.





Committed to ensuring customer satisfaction



We help our customers achieve their ambitions.

We are ready to support.

DB ESG, established in 1995, is a leading specialist provider of rolling stock engineering solutions for the UK rail industry. Our world-class experts and solutions add value to both our customers and the UK rail sector.

Contact us

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