Rail Systems Technology
in the Capital Region Berlin-Brandenburg

THE GERMAN CAPITAL REGION
excellence in mobility
Leading international location

Berlin-Brandenburg is one of the leading locations for railway transport technology; over 100 businesses and scientific institutions with more than 20,000 employees make the capital region one of the most important European centers for research, development and manufacturing. This ranges from the manufacture of vehicles to track construction, through to signalling and rail-related services, all carried out by such industry giants as Siemens, Bombardier, Stadler, Knorr-Bremse, voestalpine BWG and many other small to medium-sized businesses. The industry’s strong position opens up new avenues for suppliers – for example through the development of system capabilities to tier 1 or 2 – and therefore also for the additional creation of value in the region. This makes Berlin-Brandenburg even more attractive to new establishments. Deutsche Bahn brings into focus a variety of core transport functions in the region and is present through commuter trains (S-Bahn), for instance. In addition to the largest German public transport service provider, BVG (Berliner Verkehrsbetriebe), other transport operators are also headquartered in Berlin or Brandenburg, such as Netinera with ODEG (Ostdeutsche Eisenbahn), Abellio, Transdev, Captrain with IGB (Industriebahn-Gesellschaft) and NEB (Niederbarnimer Eisenbahn), BEHALA (Berliner Hafen- und Lagerhausgesellschaft) and HVLE (Havelländische Eisenbahn). With 3,062 exhibitors from 61 countries and 153,421 trade visitors (2018), the world’s leading trade show, InnoTrans, in Berlin is the biggest international trade show for railway technology.

Research and innovation

Berlin has always been a place for railway pioneers; it was here that the first electric train was put on the tracks. Even today, Berlin-Brandenburg remains a region of innovation: automation, digitization, lightweight construction, energy efficiency and noise reduction are all keywords that best describe the innovation potential of the regional economy and research. Examples of this include the key developments in the Europe-wide harmonization and standardization of train drivers’ cabins (European Drivers’ Desk) as well as signalling,
control and train protection with the European Train Control System (ETCS). All of these contribute to the interoperability of trans-European railway systems and facilitate cross-border rail traffic. Radial-adjusting bogies for low-noise freight wagons developed at TU Berlin and the illuminated platform edge made of fibre-optic concrete from SIUT are further examples of Berlin-Brandenburg’s innovative railway technology. The dynamic trend of digitization opens up new avenues for rail technology, with the automation of operation, the interlinking with other modes of transport and new models for maintenance and repair all profiting from it. As a center for start-ups, Berlin offers a foundation of productive cooperation between established regional businesses and dynamic tech companies.

Berlin-Brandenburg is an internationally-renowned research location, with TU Berlin, TH Brandenburg and BTU Cottbus-Senftenberg offering everything from basic research, to development assistance, through to extensive capabilities in rail vehicle technology, infrastructure and rail operation. In addition, a modern education and innovation centre as well as an industrial park for the railway industry is being created at the Bahntechnologie Campus Havelland (BTC) in Wustermark, a former major marshalling yard to the west of Berlin. Corporate and scientific players contribute to key European projects whose aims are to develop the railway technology of the future, with systems companies such as Bombardier and Siemens having leading roles in Shift2Rail, the European Rail R&D Initiative.

**Good integration**

As one of the growth industries in the capital region, rail systems technology is a core component of the Cluster Transport, Mobility and Logistics cluster, which connects the economy to research and provides contacts to both governments and authorities. The close and productive cooperation with other clusters in the capital region (such as the fields of IT, communications technology, energy technology and photonics) is an important factor in the performance of the regional economy. Furthermore, the cooperation of partner clusters exists in the framework of the European Railway Clusters Initiative (ERCI). The European Rail Research Network of Excellence (EURNEX) based in Berlin brings together the areas of expertise in European rail research.
Our aim: your success!

Berlin and Brandenburg support the rail systems technology focal area with an economic policy developed across state borders in the Transport, Mobility and Logistics cluster. The cluster is managed under the aegis of Berlin Partner for Business and Technology and the Economic Development Agency Brandenburg.

Our aim is to provide comprehensive support to companies and scientific institutions interested in inward investment or further development in the capital region.

We are ready to assist you with:

- Finding a site
- Funding and financing
- Technology transfer and R&D cooperation
- Cooperating in networks
- Recruiting personnel
- Developing international markets

Reach out and contact us!
www.mobility-bb.com

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