

SAXONY!

 Saxony
Trade & Invest

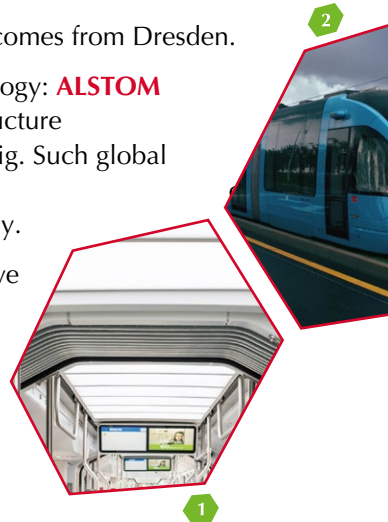


RAIL TECHNOLOGY IN SAXONY

RIGHT ON TRACK FOR THE FUTURE

RAIL TECHNOLOGY IN SAXONY ...

- 1838 – The first steam locomotive built in Germany comes from Dresden.
- One of Germany's top three locations for rail technology: **ALSTOM** produces rail vehicles here, the specialist for infrastructure **Goldschmidt** manages its global business from Leipzig. Such global players as **Stadler Rail, Siemens Mobility, Wabtec, RailMaint** trust and rely on the business venue Saxony.
- Incubator of highly skilled professionals with an above average rate of engineers: Many rail technology experts around the globe studied at **TUD Dresden University of Technology** – one of only a few universities in the world focusing on rail vehicle technology.
- A strong network partner: **Rail.S e. V.**



... OFFERS:

1. SBF Spezialleuchten GmbH, Leipzig;
2. HÖRMANN Vehicle Engineering GmbH,
Chemnitz; 3. Goldschmidt Holding GmbH,
Leipzig / Photo: Rasmus Kaessmann



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*Title: RCS GmbH Rail Components and
Systems, Königsbrück*

- Engineering solutions for the entire system
- Production of vehicles and components
- Expert knowledge in functional systematic lightweight construction, alternative drive and propulsion systems, and automated driving
- Suppliers for interiors and lighting
- Partners for rail infrastructure, BIM, maintenance and repair
- Test facilities and test tracks

ON TRACK FOR A “GREEN” FUTURE



With its expert knowledge in alternative drive systems, “(e)Autoland Saxony” provides vital impulses also for the rail branch. The **HIC Hydrogen Innovation Center** in Chemnitz will be working on fuel cell technologies for light rail vehicles. And the **HeiterBlick GmbH** is developing the world’s first H₂ tram in Leipzig.

4. TUD, Institute of Lightweight Engineering and Polymer Technology (ILK); 5. ALSTOM Transportation Germany GmbH, Bautzen / Photo: Urs Kuckertz; 6. HÖRMANN Vehicle Engineering GmbH, Chemnitz

RAIL GOES DIGITAL

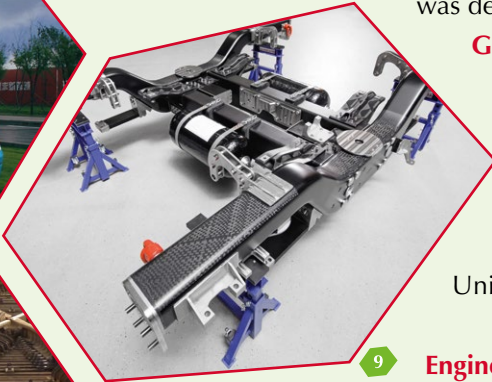
As Europe's largest ICT cluster, "Silicon Saxony" supports and spurs digitalization also on the tracks. The **"Smart Rail Connectivity Campus (SRCC),"** which is unique in all of Europe, pools the expert knowledge of more than 120 partners for testing highly automated driving on standard gauge. In 2019, a driverless train ran for the first time ever in the world in the Erzgebirge Mountains. Upper Lusatia is part of the "open digital test field" of the **German Centre for Rail Traffic Research (DZSF)**, which is located in Dresden.

7. Smart Rail Connectivity Campus e. V., Annaberg-Buchholz / Photo: Steffen Schmidt; 8. HÖRMANN Vehicle Engineering GmbH, Chemnitz



LIGHTWEIGHT MOBILITY

The world's first train made primarily of CFRP components was developed by the Dresden-based **CG Rail GmbH**. Further specialists for lightweight construction are the **LAKOWA GmbH** in Wilthen or the **Leichtbau-Zentrum Sachsen GmbH** in Dresden. R&D competence is provided, for example, by the **"MERGE"** cluster at Chemnitz University of Technology (TU Chemnitz) as well as the **Institute of Lightweight Engineering and Polymer Technology (ILK)** at TUD Dresden University of Technology.



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9. CG Rail GmbH, Dresden; 10. pixabay

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FOCUSING ON THE FUTURE

More than 25 R&D facilities and educational institutions are active in the field of rail technology in Saxony. These include, above all, **TUD Dresden University of Technology** and the **HTW Dresden - University of Applied Sciences**, the **Fraunhofer Institute for Transportation and Infrastructure Systems IVI** in Dresden, and the **Fraunhofer Institute for Machine Tools and Forming Technology IWU** in Chemnitz. The **German Centre for Rail Traffic Research (DZSF)** has its headquarters in Dresden.

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11. RailMaint GmbH, Delitzsch; 12. TUD, Chair of Railway Signalling and Transport Safety Technology

SAXONY! – ONE OF GERMANY'S TOP 3 LOCATIONS FOR RAIL TECHNOLOGY



250
rail technology
companies



15,400
employees



2,700
million euros
turnover

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- To find competent solution providers for your individual needs and requirements?

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