Siemens Rail Automation Academy
Your rail automation training centre

Transportation Systems
Siemens Rail Automation Academy

The complex products and processes of rail automation innovative require innovative railway operators and manufacturers of railway technology to continuously provide special knowledge to both employees and customers. The Siemens Rail Automation Academy concentrates know-how and combines all necessary resources for this task. Here, the complete training and ongoing education program of the market and technology leader in the field of rail automation – Siemens – is concentrated and further developed.

Braunschweig and Berlin are our idea factories for new rail automation solutions. The Rail Automation Academy® closely cooperates with development and production, thus being able to successfully impart well-founded and state-of-the-art knowledge.

**Rail Automation Academy in Braunschweig**

In Braunschweig, vocational training for technical professions including dual studies courses takes place. Here, training focuses on the following:

> Vicos® operations control systems and Sicas® interlockings at the "Test Centre Mass Transit"
> maintenance staff, system administrators and train operation managers employed with mass transit operators
> training at our "System Test Centre" (STC) where electronic Simis interlockings are tested under realistic conditions

For our training courses, rooms equipped with state-of-the-art technical equipment and several realistic training systems are available.

**Customer training**

Experienced and highly qualified trainers impart their know-how using state-of-the-art and sophisticated training methods:

> provision of railway-related basics and knowledge about Siemens products and systems as well as standards and processes such as CENELEC, RAMSS, etc.
> hands-on training at our system test centres
> transfer of practical experience
> close interaction between development and application
> research transfer – close cooperation with institutes of renowned universities such as the Technical Universities of Braunschweig and Dresden and the University of Budapest

As and when required, our courses are held at different locations:

> at one of the Siemens Transportation Systems Rail Automation test centres
> directly at our partners (universities, customers and rail operators)
> on the premises of the Rail Automation Academy in Berlin and Braunschweig

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Under the motto "ETCS for Experts", the Rail Automation Academy has been offering realistic hands-on training to its customers at the "System Test Centre" for electronic interlockings and operations control centres since July 2002. At an electronic training interlocking, basic hands-on experience for maintenance staff is provided and troubleshooting training is conducted.

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Our offer

**Competence assurance and know-how transfer from rail professionals for rail professionals**

**Customised training**
Our motto “customised” = “time-optimised” = “cost-optimised” forms the basis for tailor-made training solutions for customers of the Rail Automation Academy. Essentially, our customised training is based on the standard course program which is adapted to individual training requirements.

**Exclusive training courses**
Even though our standard course program covers a large range of professional internal ongoing training, special non-recurring or repeated training measures for technical and organisation-specific subjects may be required again and again. We would be happy to support you.

We offer location-specific training packages for your employees at the Rail Automation Academy’s training locations or on your own premises.

Your benefit:
- reduction of travel expenses thanks to the possibility of on-site training
- specifically required know-how build-up / improvement and increase of system and integration knowledge

**Course series / curricula**
The experience gained through “customising”, i.e. the customer-specific adaptation of training courses, has enabled us to compile series of courses with different thematic focuses combining various individual training courses whose contents relate to each other. This allows us to offer comprehensive training on a specific topic.

The curriculum “Railway Signaling Specialist”, for example, qualifies the participant with regard to the entire railway technology spectrum.

This curriculum also qualifies the participant to attend further product and system training courses.

- Curriculum railway signaling specialist
- Curriculum railway operations – Basic knowledge
- Curriculum practical experiences installation
- Curriculum sales and distribution
- Curriculum safety and availability

Currently, the curricula mentioned above are exclusively offered to Siemens AG employees, but we would be happy to develop curricula tailored to your specific requirements.

**Our partners**
- Technical University of Braunschweig, Germany
- Dresden University of Technology, Germany
- Wolfenbüttel University of Applied Sciences Germany
- Budapest University of Technology and Economics, Hungary
- Beijing Jiaotong University, China
- Hamburg-Consult, Germany
- Deutsche Bahn AG

**Contact**
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www.transportation.siemens.com/ts/de/pub/products/ra/training.htm
The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases. The required features should therefore be specified in each individual case at the time of closing the contract.