State-of-the-art knowledge and global experience

TÜV SÜD’s training services are based on the collective knowledge of our automotive and electric vehicle experts from over 600 locations worldwide.

Participants and their employers not only benefit from our world-recognized technical expertise, but also our high-voltage experts’ vast understanding of the global EV industry and their continuous exchange with TÜV SÜD colleagues all over the world.

Complete knowledge solutions

TÜV SÜD offers more than just training programmes. We can conduct training needs analyses and develop training concepts for your entire electric vehicles division. Our knowledge services and solutions cover all relevant disciplines including engineering, operational supervision and executive management.

TÜV SÜD can also customize seminars and training programmes according to the specific requirements of manufacturers or your suppliers.

High-quality training certified in accordance with ISO 9001

TÜV SÜD’s training division has been certified according to the ISO 9001 Quality Management System since 1993. Our training and knowledge-sharing processes have been refined and continuously improved for over fifteen years, thus assuring you of our commitment to providing quality services.

Why choose TÜV SÜD?

With over 140 years of experience and 16,000 employees worldwide, the TÜV SÜD Group is one of the world’s leading technical service organisations. Leveraging on the latest technology in more than 600 locations across the globe, we add value to a myriad of industries by providing testing, certification, inspection, training and consulting services.

TÜV SÜD is the technical solutions partner of choice for e-mobility industries. We support manufacturers throughout the e-mobility value chain, from electric vehicle components and systems to batteries and charging infrastructure. Our technical and training services enable the global electric vehicle industry by ensuring safety, marketability and compliance.

Contact us for more information:
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TÜV SÜD is an internationally-renowned training and personnel certification provider to the automotive industries. We offer a diverse range of high-quality knowledge, expertise and certification services that leverage our extensive experience in technical services. This improves job-related qualifications and expertise across both management and engineering disciplines.

More than 110,000 people worldwide benefit from TÜV SÜD’s training programmes every year. Our team of 1,500 consultants and 2,500 trainers offer training services all over the world in localised, country-specific training courses according to national standards. We also offer training programmes according to international standards and that cover the latest technologies, standards and issues affecting the local and global electric vehicle industry.

Specialised programmes for the electric vehicle industry
TÜV SÜD’s training programmes for personnel in the electric vehicle industry includes several courses on high-voltage systems in motor vehicles. We can train employees in various Qualified Persons (QP) electrical qualifications in the operation of electric vehicles as well as Electrical Specialists for tasks pertaining to high-voltage systems.

Our experience also allows us to tailor training programmes according to the specific requirements of electric vehicle manufacturers and their suppliers. We can help qualify your employees to work on high-voltage systems according to your own special training courses and provide regular refresher courses to keep their knowledge up to date.

Knowledge Bases

Management Systems
- Environmental Management (ISO 14001:2004)
- Occupational Health and Safety Management (OHSAS 18001:2007)

Functional Safety
- Basic knowledge relating to standards (ISO 26262 / IEC 61508)
- Functional Safety Management
- Risk assessment, system concept design and development
- Analytics and probabilistics

Electrical Safety
- Responsibilities, techniques, risks and liability issues
- Basics of technology, regulations and occupational health & safety as well as explosion protection sections
- Setup and concept design of measurement equipment

Homologation (Approval)
Whether for individual approaches or type-approvals with worldwide legal requirements such as EEC, ECE or FMVSS, we can support your minimum requirements for:
- Testing
- Homologation management
- Expert opinions

Train with a World Leader

Hybrid electric vehicles present a particularly unique challenge for personnel in the electric vehicle industry. The high-voltage electric systems used in hybrids are more complex and the technology evolves very quickly.

Depending on the prior knowledge of participants, TÜV SÜD offers various courses to personnel working on high-voltage systems in motor vehicles:
- Basic training on hybrid and fuel cell technology for vehicles
- Hydrogen technology
- Electrical courses for persons working with vehicle high-voltage systems

In addition, TÜV SÜD’s further education courses provide participants with:
- The necessary knowledge of hybrid and fuel-cell technology
- The basics for working safely on high-voltage systems in electric-powered vehicles
- A considerably enlarged range of work and better opportunities in the labour market