



Choose certainty.
Add value.

MEP systems inspection, testing and certification

Third-party solutions to ensure safe, reliable and efficient systems for buildings and industrial facilities.

Your challenges

Ensuring the safety, availability and cost effectiveness of building systems enables designers, installers and building owners and operators to offer competitive and attractive products in the real estate market. In order to meet the expectations of owners and occupants, the mechanical, electrical and plumbing (MEP) systems in these buildings are required to function at maximum efficiency. Maximising the performance of MEP systems requires specialised technical and engineering expertise.

Why are inspection, testing and certification of MEP systems important for your business?

MEP systems require expert implementation and regular inspections to ensure that they run smoothly and efficiently. In addition, these measures are necessary to achieve compliance with the various safety and quality requirements of national and international standards and regulations. Systems certification also provides confirmation of quality.

Last but not least, optimising your MEP installations makes good business sense as it saves cost, reduces liability risks and ensures reliability of your systems.

How can we help you?

TÜV SÜD is accredited internationally as a Notified Body and Certification Body to conduct impartial inspections, testing and certification of your building services installations. We have the necessary expertise in all engineering disciplines. This enables us to provide holistic and comprehensive consultancy in mediating the discussion between different MEP designers and integrating all the designers' work during installation.

To prepare for our services, you will need to specify what your objectives are for the future use of your building, and/or provide technical documentation indicating the standards by which your existing building services installations were designed and installed (e.g. American, Chinese or European standards).



Our MEP systems services

■ Testing and inspection

We conduct pre-commissioning tests, on-site inspections, function tests and acceptance tests upon completion. Our expertise covers all aspects of technical facilities such as heating, ventilation and air-conditioning (HVAC) systems, sanitary systems, refrigeration systems, high- and low-voltage systems, overvoltage protection devices, emergency power supply systems, lightning protection systems, machinery, alarm systems (such as fire alarm systems, loudspeaker alarm systems), smoke and heat extraction units, fire-fighting equipment and fire barriers, instrumentation and control systems, and building automation systems. It also includes thermal engineering products such as heating boilers, gas-fired air heaters and shut-off apparatus.

■ Certification

TÜV SÜD is a qualified Certification Body for fire alarm systems, grid compatibility of power generators, energy efficiency of products for fire, ventilation, refrigeration and air-conditioning systems, as well as energy efficiency of data centres. We offer cross-disciplinary consulting throughout the certification process and the term of the contract.

■ Consulting

Our experts assess and advise on the development of power supply schemes, security of power supply, safety and protection schemes for fire and explosion, design of emergency escape lighting systems, EMC-oriented lightning and overvoltage protection, energy efficiency, technical infrastructure in data centres, as well as power generation and supply systems for renewable sources of energy. We also provide facility management support for the optimisation of building services installations, including recommendations for preventive action and cost-effective repair measures.

Your business benefits

- **Save money** – by implementing the best procedures for your systems, ensuring energy efficiency and cost savings.

- **Minimise risk** – with our knowledge of technical guidelines, regulations and standards, which will resolve any unclear issues and reduce your liability risk.
- **Gain a competitive edge** – by building a trusted brand based on the service availability and safety of your facilities.
- **Tailor your solutions** – with customer-focussed solutions designed for the specific needs of each stakeholder.

Why choose TÜV SÜD?

TÜV SÜD has decades of international experience providing testing, inspection and certification services for buildings, infrastructure and industrial facilities. As a neutral third-party organisation, we provide impartial and unbiased inspection and assessment services on which you can base your decisions. We are well versed in all relevant mechanical, electrical and environmental engineering disciplines, providing you with a one-stop source for solutions and interdisciplinary expertise.

The international reputation of the TÜV SÜD brand ensures that our reports and certificates meet with a high level of acceptance globally. In addition, our experts are represented on site around the world and are familiar with both international and local requirements.

Choose certainty. Add value.

TÜV SÜD is a premium quality, safety and sustainability solutions provider that specialises in testing, inspection, auditing, certification, training and knowledge services. Represented in over 800 locations worldwide, we hold accreditations in Europe, the Americas, the Middle East, Asia and Africa. By delivering objective solutions to our customers, we add tangible value to businesses, consumers and the environment.

Related services

TÜV SÜD provides the following related services:

- MEP design and consultancy services
- Civil and structural engineering services
- Energy efficiency for buildings
- Lift and escalator services
- ISO 9001 – Quality management system certification
- ISO 50001 – Energy management system certification
- OHSAS 18001 – Occupational health and safety management system certification