Inspiring trust in the physical and digital world
Adding value across the business lifecycle

TÜV SÜD has a proven track record of partnering with businesses and inspiring people to trust and embrace new technologies and innovations. Our comprehensive suite of end-to-end solution servicing the eight key customer segments enables us to view our customers’ operation in its entirety and deliver value across the entire business lifecycle.

We support people and organisations to enhance performance through a wide range of work safety, technical, management systems, executive training programmes and certified qualifications.

We provide advisory on diverse topics ranging from quality, safety and risk to environmental protection, regulatory requirements and process optimisation.
Testing and product certification

Beyond testing for compliance with directives, we issue TÜV SÜD certifications based on standards set according to internationally recognised benchmarks.

Inspection

We independently verify that, at every stage, your systems, processes and procedures comply with the relevant codes, requirements, regulations and standards.

Auditing and system certification

We audit and certify management systems for virtually all industries, ensuring your value chain complies with requirements for quality, performance and IT security according to international, national and other relevant standards.

TÜV SÜD at a glance

- **150+** YEARS OF SAFETY, SECURITY & SUSTAINABILITY
- **1,000+** LOCATIONS WORLDWIDE
- **25,000+** EMPLOYEES
- **574,000** CERTIFICATES
- **1-STOP SOLUTIONS PROVIDER
- **€2.6 BILLION IN ANNUAL REVENUE**
- **41% OF REVENUE OUTSIDE GERMANY**
- **100% INDEPENDENT & IMPARTIAL**
A heritage of business success

From the age of steam engines to today’s hyper-connected world, our society has been shaped by three major technological revolutions. TÜV SÜD’s story began with the first, when steam boilers were the innovative new technology powering the Industrial Revolution. Following a devastating explosion that claimed one life and injured many, the first steam boiler inspection association was formed in Mannheim in 1866. This association gave rise to an enduring legacy and marked the beginning of technical safety in Germany.

1866
On 6 January, 22 industrialists united to establish the Steam Boiler Inspection Association Baden in Mannheim.

1881
The first binding standards related to boiler safety were agreed, paving the way for uniform technical inspections.

1906
Our first vehicle periodic technical inspection was carried out.

1921
Environmental advocacy began with our publication of a report addressing dust pollution.

1938
The launch of a standardised nationwide system created 14 regional inspection associations named TÜV. There were 17 TÜVs by 1941.

1951
TÜV organisations were tasked with performing regular inspections of all motorised vehicles.
1964
Expansion beyond Europe began with a cable car accident investigation in Cape Town, South Africa.

1989
TÜV Product Service GmbH was launched, pioneering the concept of worldwide approvals.

1991
Asian subsidiaries launched in Hong Kong, Japan, Taiwan, China, and subsequently in Korea during 1994, with North American subsidiaries set up around the same time.

1996
The TÜVs from Germany’s southern states united to form TÜV SÜD.

2006
Singapore’s PSB Group was acquired, with TÜVTÜRK launched the following year.

Today
TÜV SÜD actively pursues a strategy of digitalisation, spearheading pilot initiatives through two Digital Service Centres of Excellence in Germany and Singapore.
Digital transformation is already revolutionising every aspect of our lives, changing the way we live, work and play. Throughout this period of uncertainty, TÜV SÜD is striving to add value to governments, businesses and consumers worldwide. Our aim is to inspire trust in technology, enabling progress by managing technology-related risks and facilitating change. This commitment is embodied in the new claim: Add value. Inspire trust.
Chemical & Process
By maximising operational efficiency while minimising risks, TÜV SÜD partners global businesses beyond compliance, digitalising industrial processes through the integration of smart technologies.

Energy
With a comprehensive service portfolio for all types of energy, storage and grids, TÜV SÜD is partnering the energy transition by optimising operational efficiency and availability.

Infrastructure & Rail
With experience in planning, building as well as operating infrastructure and rail projects globally, TÜV SÜD is adept to partner customers to deliver on complex projects such as high speed rail to meet the rising demand of urbanisation.

Mobility & Automotive
Leveraging on a century of experience in automotive safety and performance, TÜV SÜD is partnering the industry to realise the future of mobility through innovations such as autonomous driving, electrification and shared mobility.

Manufacturing
With an integrated approach to industrial safety and security, TÜV SÜD is partnering customers to harness the potential of Industry 4.0, achieving higher levels of productivity through the integration of technologies such as additive manufacturing and robotics.

Real Estate
Through an interdisciplinary approach and in-depth knowledge, TÜV SÜD partners customers by leveraging digital twin technologies to offer a comprehensive construction management portfolio for the entire asset lifecycle.
Inspiring trust yesterday, today and tomorrow

TÜV SÜD was founded to enable progress by protecting people, the environment and assets from technology-related risks. Today, this purpose remains valid and embedded in our mission. As we look to tomorrow, we have identified four megatrends that we believe will shape the narrative of commerce and society in the decades to come: Digital Transformation, Glocalisation, New Mobility, and Sustainability. The following pages outline the work that we are doing around the world to drive the development of these trends.
Digital Transformation
Ushering in the fourth technological revolution

Homes, phones, factories, energy grids – it seems everything has the potential to be ‘smart’. Industry 4.0 is creating intelligent networks by enabling interconnected components, machines and systems to communicate autonomously. For the experts at TÜV SÜD, the future is already here. We are giving people the confidence to trust in these new technologies.

Committing to cyber security via the Charter of Trust
We have signed the Charter of Trust – a global cyber security alliance initiated by Siemens and other leading organisations. Its 17 members aim to build trust in digital technologies. We contribute by protecting critical systems and sensitive data, helping our customers ensure their business continuity.

Developing standards for BIM
We are helping to develop a public German Building Information Modelling (BIM) Standard for high-rise to empower design, construction and operation of more than 31,000 assets. Contributing through BIM advisory, we are developing use cases, best practices for processes and templates.

Establishing safety of AI-based systems
Working with the German Research Centre for AI (DFKI), we are developing an open platform ‘openGenesis’ to certify AI-based systems used in autonomous driving. A ‘roadworthiness test’ will be developed to validate safety of the underlying algorithms.

Realising Industrie 4.0 transformation
To drive industry-wide transformation, we developed the Smart Industry Readiness Index with the Singapore Economic Development Board which was rolled out in countries in Asia, Europe and US. Together with the partners, we have launched a ‘Prioritisation Matrix’, a computational tool for identifying priority digital initiatives.
Glocalisation
Instilling confidence across global supply chains

In our increasingly commoditised and connected world, consumers are choosing to trust brands which fulfil global quality and safety standards while meeting individualised demands. Achieving glocalisation, striking a balance between “Globalisation” and “Localisation”, is the challenge for businesses today. TÜV SÜD partners businesses to maximise their market potential with local relevance and global scale wherever their ambitions take them.

Achieving safety beyond compliance
We tested and certified Huawei’s smartwatches according to TÜV SÜD Wearables certification, going beyond current compliance requirements to ensure that the products maintained high standards of safety while meeting consumers’ expectations of performance and marketability.

Globalising quality management approach
We provided integrated auditing and certification of management systems to about 400 companies within Würth Group across 80 countries, with the aim to improve their management systems and quality, and strengthen their company brand identity while increasing economic efficiencies.

Implementing nationwide periodical vehicle inspections
With our German expertise, we are the only company in Turkey to have successfully implemented a modern system for vehicle inspection nationwide. We created a network of 189 test centres and 81 mobile test stations in just 18 months. Through this, congestion and air pollution were reduced while road safety was improved through significant reduction of traffic accidents.

Navigating EU approvals for high tech products
We partnered with Kawasaki Heavy Industries in its efforts to achieve compliance with European Union regulations related to components used in hydrogen-powered motor vehicles. Since 2014, this partnership has enabled Kawasaki to successfully certify its components and positioned the company to gain critical market share with major OEMs in the automotive industry.
The world’s urban population is on the rise. For the first time in history, more of us live in cities than rural areas. The need to develop an efficient transportation network to support urbanisation has become more critical than ever. With decades of experience in automotive, rail, safety and security solutions, we are uniquely placed to help solve the challenges of our urban future and create a desirable quality of life for us all.

Digitalising homologation through simulations
In a partnership with NVIDIA Corporation and AVL GmbH, we are defining parameters such as safety requirements, potential critical driving scenarios, and evaluation criteria necessary to establish simulation as a test method in vehicle approval.

Ensuring safety of highly automated driving
As part of the PEGASUS research project promoted by the Federal Ministry for Economic Affairs and Energy (BMWi) in Germany, we are working with 16 industrial and research partners to formulate method and test requirements to ensure safety of highly automated driving functions for highway deployment.

Establishing product quality of AM components
With Deutsche Bahn, we developed the “Additive Manufacturer Certification Scheme” for Additive Manufacturing (AM) suppliers of spare parts and finished components. The scheme ensures a high-end manufacturing readiness level which helps to achieve consistent and reproducible product quality throughout the rail industry’s process chain.

Shaping the future of AV development
To propel Autonomous Vehicle (AV) development, we have participated in the development of the first national regulatory framework, Technical Reference 68 (TR68), for fully autonomous vehicle launched by Singapore. We were in the working groups for operational/functional safety, cyber security and vehicular data.
Sustainability
Managing growth for the good of all

Our wants are infinite. Unfortunately, our resources are not. Current projections put the world’s population at 9.6 billion by 2050. Our ability to meet the needs of tomorrow comes down to the decisions we make today. That is why we are helping businesses meet their responsibilities to employees, customers and the environment through a balanced, sustainable approach.

Bringing safe sanitation to all
To bring safe sanitation to 2.3 billion people worldwide, we have partnered with the Bill and Melinda Gates Foundation on several projects to support the ‘Reinvent the Toilet’ challenge. Through ISO standards development, we are enabling the commercialisation of innovative ideas that could benefit billions.

Energy storage solutions for smart grids
Testing and certification of power devices against conformity requirements are fundamental to building reliable smart grids. Together with China Energy Storage Alliance, we have developed a battery energy storage system guideline to support the safe handling of energy storage technology.

Mitigating operational risk of offshore wind farm
From monitoring of manufacturing, transport, erection / installation and commissioning of the entire offshore wind farm to operational release approval from the responsible German authority, our experts ensured that all components conform to given requirements in order to mitigate operational risk in the certification of a new offshore wind farm, Nordsee One.

Uncovering energy saving potential
We provided KISCO, a steel manufacturer in Korea, with industrial energy saving solutions using a technically advanced methodology to reduce operating costs. To do so, we collaborated with iDRS, a demand response company, to minimise the impact of fluctuating energy consumption.
Giving your business a clear competitive edge

By choosing TÜV SÜD, you are partnering with a dedicated team of experts who are committed to increasing safety, security and sustainability while adding value to your operations. Our services help you to deliver consistent quality across the entire supply chain without compromising on cost efficiency or time to market. We provide business solutions that reduce risks, optimise revenue and maximise profitability to give your business a real competitive advantage.
The sure sign of trust

The TÜV SÜD logo is universally respected as an independent and impartial symbol of safety, security and sustainability. It is based on a distinctive octagonal design that also forms the basis of our certification marks. TÜV SÜD certification marks and certificates represent third-party endorsement by a globally renowned organisation, while our personnel certificates provide our customers with greater market opportunities.

In an increasingly complex and virtual world, we have relevant solutions to ensure your business reaches its full potential in the real world.

500,000 product certificates
54,000 system certificates
20,000 personnel certificates
Enabling access to global markets
Over 1,000 TÜV SÜD locations in about 50 countries

With an extensive network of multidisciplinary experts, accredited laboratories and offices established in the world’s major business hubs and key production centres, we are ready to support your need for safety, security and sustainability wherever you do business.

Germany (HQ)
Argentina
Austria
Bahrain
Bangladesh
Belgium
Bosnia & Herzegovina
Brazil
Canada
China
Croatia
Czech Republic
Denmark
Egypt
Finland
France
Hungary
India
Indonesia
Ireland
Italy
Japan
Malaysia
Mexico
Netherlands
Oman
Philippines
Poland
Portugal
Qatar
Romania
Saudi Arabia
Singapore
Slovakia
Slovenia
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