

THREE BRANDS – ONE COMPANY

SGS

**INSTITUT
FRESENIUS**

**SGS
TÜV
SAAR**

WHEN YOU NEED TO BE SURE

The SGS Group is the world's leading inspection, verification, testing and certification company. SGS is recognised as the global benchmark for quality and integrity. With more than 70,000 employees, SGS operates a network of over 1,350 offices and laboratories around the world.

SGS sets standards for inspection and monitoring services in international trade, industrial goods, in the agricultural, raw materials and consumer goods industries. We act on behalf of manufacturers and traders, governments and organisations, suppliers and consumers.

FOR INCREASED SAFETY AND HIGHER QUALITY

EXPERTISE, CONSULTATION AND ANALYSIS

From analysis to certification – all services from one source. SGS INSTITUT FRESENIUS is one of the leading providers of chemical laboratory analysis in Europe. Our work goes far beyond analysis: we provide advice and solve problems in development, manufacturing and product processing. Our core service is the safety of food, beverages and consumer products.

SGS INSTITUT FRESENIUS has an excellent reputation among producers, traders and consumers in Germany and other European countries. Our quality seal proves that they have opted for excellent quality.

TRADITIONALLY INNOVATIVE

Die SGS-TÜV Saar GmbH combines technical expertise with international experience.

One aim stands at the centre of all our activities: safety. To achieve this aim, our experts subject products and processes to strict inspections.

We are your first point of contact for quality and uncompromising safety for facilities, motor vehicles, products and procedures. We support our customers in the automotive and industrial sectors with services which make products and services safer, more efficient and environmentally friendly.

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WHETHER YOU WORK WITH SGS GERMANY, COMMISSION SGS INSTITUT FRESENIUS OR REQUEST THE SERVICES OF SGS-TÜV SAAR, YOU WILL BENEFIT FROM THE ENTIRE NETWORK AND EXPERIENCE OF SGS. ONE COMPANY, THREE BRANDS. SYNONYMOUS WITH RELIABILITY, SAFETY AND QUALITY.

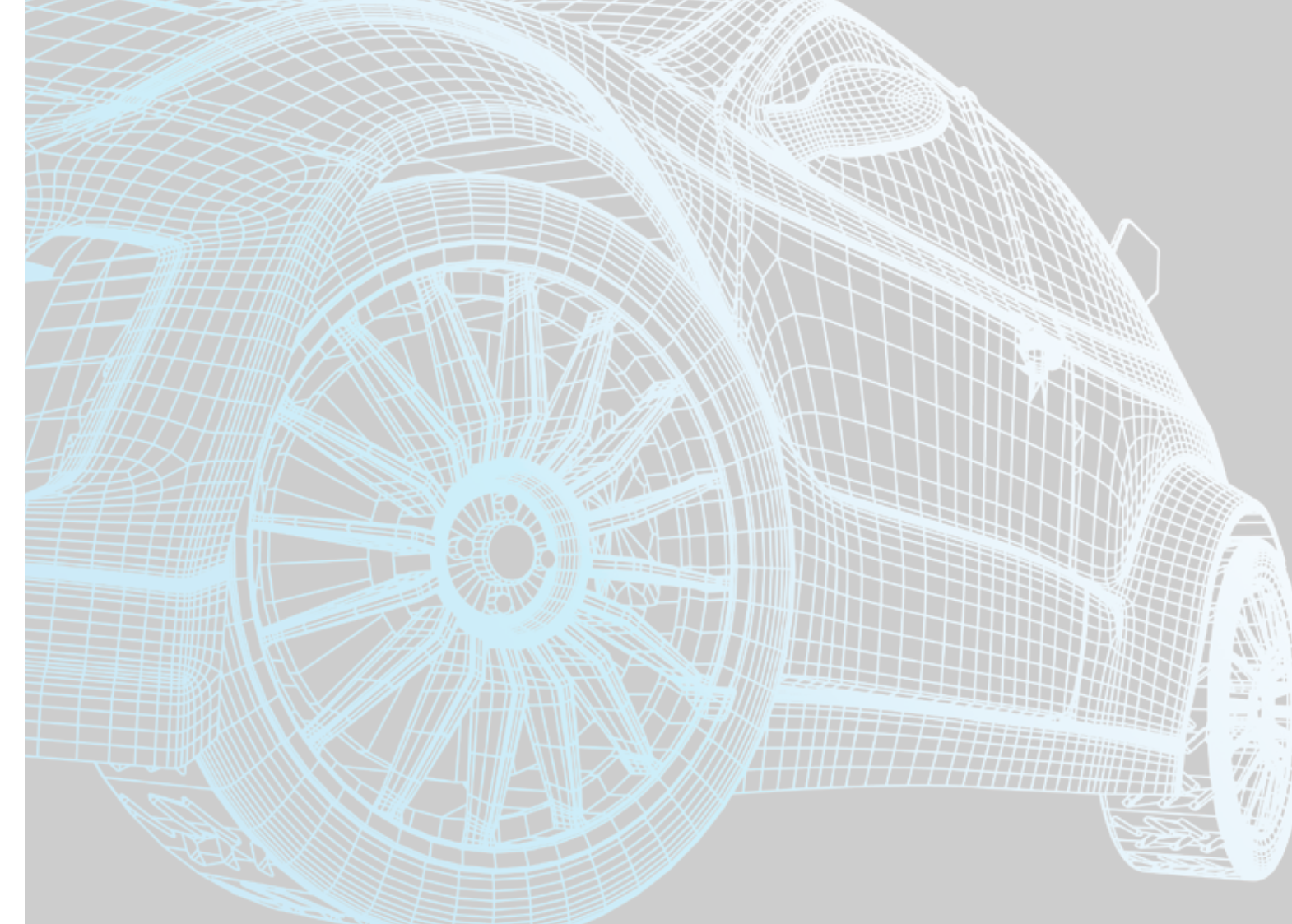
SGS IS THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY. SGS-TÜV SAAR, AS A JOINT VENTURE BETWEEN SGS AND TÜV SAARLAND E.V., ENSURES THE RELIABILITY AND QUALITY OF PROCESSES, PRODUCTS, AND TECHNICAL SERVICES.

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SGS-TÜV SAAR HOMOLOGATION

YOUR COMPLETE SERVICE WITH PROFICIENCY AND FLEXIBILITY

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SGS (Société Générale de Surveillance), based in Geneva and with more than 70,000 employees, is the world's leading inspection, verification, testing and certification company. With its brands SGS, SGS INSTITUT FRESENIUS and SGS-TÜV Saar, the SGS Group can offer you a wide range of automotive services during the entire lifecycle of the product.

With our automotive services, SGS-TÜV Saar GmbH supports your company as a manufacturer of vehicles or vehicle parts with regard to all homologation services and functional and electrical safety.

Naturally, we can also provide advice and support for all homologation and safety matters regarding e-Mobility.

With SGS-TÜV Saar, you will simultaneously benefit from the expertise and good reputation of the leading global testing service provider SGS and the acceptance of the TÜV brand.

Thanks to our expertise and network, you will be able to access all services required for the homologation and marketing of your products in various regions around the world from one source.

YOU WILL BENEFIT FROM

- SGS-TÜV Saar's global network
- Our expertise in functional and electrical safety, homologation and e-Mobility
- The transfer of image to your company
- Our knowledge about new requirements and standards
- The accredited SGS-TÜV Saar laboratories

WE CAN OFFER YOU

- Well-established knowledge about legal regulations in Europe and many international markets
- Support from the manufacturer documentation up to the receipt of approval
- A comprehensive range of automotive services

HOMOLOGATION

As a well-known Technical Service, we will support you with acquisition of type approvals for components, systems and vehicles on the basis of the German Road Traffic Act (StVZO), EC directives and ECE regulations, in addition to other international legal requirements. Moreover, we can provide you with advice on new vehicle concepts and support you with the interpretation and application of legislation, plan the scope of required tests and implement these upon request.

We would also be happy to help you with the preparation of manufacturer documentation for various markets.

OUR SERVICES FOR YOU

CONSULTATION

We will support you during the homologation process, from filling of the application until the receipt of the approval certificate.

- Identification of the technical and legal requirements of the relevant target markets
- Establishment of the necessary scope for testing and approval

- Planning and efficient execution of the tests
- Interpretation of regulations (interpretation by authorities)
- Support in the preparation of manufacturers documentation
- COP tests (according to product)
- Advice regarding the suitability of manufacturers under the type approval procedure

TESTING AND APPROVAL SERVICE

As a Technical Service, we are designated for more than 300 national and international test procedures. Our designation covers the three EC framework directives: 2007/46/EC, 2002/24/EC, and 2003/37/EC, as well as all of the related EC directives or equivalent ECE regulations and requirements of the German Road Traffic Act (StVZO).

In the context of EC directives or ECE regulations, we examine

- Cars and buses (Class M), trucks (Class N) and trailers (Class O)
- Special purpose vehicles (e.g. mobile cranes, mobile homes)
- Motorcycles and light 3- and 4-wheeled vehicles (Class L)
- Agricultural and forestry tractors (class T)
- Parts, components, and technical units
- Virtual tests (e.g. an FEM calculation of the rear underun protection)
- Multi-stage type approvals, for example for body manufacturers

- Small series type approvals
- Individual vehicles in accordance with § 13 of the EG-FGV

As part of the Road Traffic Regulations, we examine

- Agricultural and forestry tractors ($V_{max} > 40$ kph)
- Agricultural or forestry trailers
- Self-propelled workmachines
- Special vehicles out of the scope of the EC standards
- Vehicle parts (ABE/ABG)

Worldwide, our experienced experts test

- in SGS testing laboratories
- in external laboratories (ISO/IEC 17025 accredited)
- in suitable manufacturer's laboratories

You can talk to us about ascertaining the suitability of your own laboratory.

Based on our test results, we prepare the necessary reports on your behalf, and handle the approval process with European (KBA, NSAI) as well as non-European (e.g. Taiwan) authorities.

PROJECTS

Particularly in the case of new technologies, it is important to ensure at an early stage that products comply with the technical requirements of the target markets at the time the products are brought onto the market.

The current legislation often lags behind the current technological developments in these cases, or requirements for new types of technology are not yet defined. SGS-TÜV Saar experts are members of the relevant bodies and committees responsible for the development of regulations or defining the requirements for new technologies.

We therefore have access to current trends and developments, which we will pass on to you. SGS-TÜV Saar will support and advise you in close collaboration with other SGS specialists of various disciplines during the development of

- New technologies and vehicle concepts
- E-Mobility (electric and hybrid vehicles)
- Hydrogen-powered vehicles
- Fuel cell vehicles
- Gas-powered vehicles
- Functional, chemical and electrical safety
- Battery tests
- EMC and environmental simulation

HOW YOU CAN BENEFIT FROM WORKING TOGETHER WITH SGS-TÜV SAAR AS YOUR PARTNER FOR TYPE APPROVALS

- Tailored advice, such as in the definition of variants for different vehicle types
- Problem-free vehicle approval within the EU
- Optimisation of existing type approvals
- Cost savings compared to individual approval procedure
- Access to SGS Group's global network

ADDITIONAL AUTOMOTIVE SERVICES PROVIDED BY THE SGS GROUP

The SGS Group also offers additional automotive services: These include, among others

- Parts and components qualification
- Testing of interior materials
- Fault and damage analysis
- EMC tests
- Environmental simulation
- Electrical and Functional Safety
- Battery test house
- Supply chain services
- Testing services for end-of-life vehicles (ELV, RRR)
- ADR-dangerous goods/prototype tests
- CE marking/safety equipment/cranes
- Load security (e.g. ISO 12642)

WE WELCOME YOUR ENQUIRIES ABOUT THESE OR OTHER SERVICES.

