



TRUSTED FOR REAL LIFE

SAFETY, QUALITY AND SUSTAINABILITY SOLUTIONS FOR THE **AUTOMOTIVE** INDUSTRY

BUILDING CONSUMER TRUST

Safety, reliability and quality are of primary importance to the automotive industry and its consumers. Product failures and recalls are costly, not only financially but also to your reputation. Improve quality, efficiency and safety as well as reducing environmental impact with SGS. Employ our services to manage your supply chain and provide safe and reliable vehicles that are trusted for real life.

FOCUS ON CONSUMER EXPECTATIONS

Focused on the design and construction

of vehicles as well as inspection, our services provide unrivalled expertise to manufacturers, traders and retailers across the world. Indeed, we are a global partner to all major automotive OEMs and Tier 1 and 2 suppliers along the entire supply chain.

Our comprehensive range of testing, inspection, verification, certification and advisory services can help you reduce costs and delivery lead-times, manage your supply chain, improve safety and reduce the environmental impact of road traffic.

DELIVERING SOLUTIONS FOR REAL LIFE

Meeting international regulations and consumer expectations for vehicles or vehicle parts in different international markets requires a rigorous regime of testing, certification and logistical planning. With a network of offices, laboratories and testing centres throughout the world we offer you a truly

unique, independent and global service for reliable, accurate and secure vehicle and automotive industry services.

Testing

- Car interior and exterior material; Production Part Approval Process (PPAP)
- E-mobility and Battery
- Functional Safety Analysis
- Oil & Fuel Analysis
- Elastomer & Polymer Products (material testing) services
- Restriction of Hazardous Substances (ROHS)
- Auto Electromagnetic Compatibility (EMC), Environmental Simulation
- AUTOSAR
- Metal testing
- Engine testing
- Paint testing
- Reliability testing

Technical services

- Failure & Damage Analysis
- Functional Safety
- Homologation
- End of Life Vehicle (ELV), International Material Data System (IMDS), China Automotive Material Database System (CAMDS)
- AUTOSAR
- Training

Inspection

Improve supplier performance and ensure products shipped are compliant and of sufficient quality with inspections including:

- Supplier Qualification and Development
- Pre-Shipment Inspection
- Destination Inspection

Audits & Certification

- Quality Systems Certification
- INMETRO Certification
- Functional Safety Assessments, Audits and Certification
- Mystery Shopping Audits
- Social, environmental and tailored supply chain audit

From initial product design to a finished vehicle and on into the dealership, we can support you every step of the way. Key service areas include:

Homologation

SGS is designated for over 300 national and international testing procedures. As an ISO/IEC 17025 and ISO/IEC 17020 compliant Technical Service, accredited for EU Directives 2007/46/EC and 2002/24/EC we can handle the approval process for virtually any vehicle through various European and non-European approval authorities. Our homologation services facilitate the approval process and ensure that products comply with relevant standards and regulations.

Failure & Damage Analysis

In the event that something goes wrong with a product, we can help you analyse the failure to identify its root cause, make adjustments to prevent future failures and improve performance.

Functional Safety

Our global network of functional safety teams help to develop and assure components, products and safety processes for the automotive industry that comply with appropriate international regulations (such as ISO 26262 for the automotive industry). Additionally, we offer the world's largest automotive functional safety training and personal qualification programme.

Car Interior/Exterior Material Testing, PAPP

With a focus on quality, safety and durability our material testing services assess whether you are using the right materials for a product to perform well and that it can withstand the intended everyday use. Services span the full range of chemical, performance, mechanical and physical properties testing and will be tailored to your specific requirements.

E-mobility & Battery Testing

The proliferation of electric and hybrid vehicles presents a new development challenge. We can support you in all key safety testing and certification for high-voltage drive modules including batteries, components and whole vehicles – for concepts and prototypes as well as production models. These may include functional and electrical safety, climatic simulations, transport tests, abuse and operating error tests for vehicle components such as drive batteries and drive motors, as well as for whole vehicles.

THINKING SUSTAINABLY

Consumer interest in environmental, social and health debates such as global warming, human rights and the risks posed by chemical substances have highlighted the need to have a strong corporate social responsibility policy. Pressure from governments around these issues are raising expectations from stakeholders that companies take effective and concrete action.

Our global network of experts can support your company by offering a range of services covering the environmental, safety and social aspects of sustainability:

- Ecodesign services
- Restricted substances management
- Social responsibility solutions

TRUSTED FOR REAL LIFE - WITH SGS

SGS is a trusted, independent third party service provider. We provide a single consolidated source for tailored services, consulting solutions and technical assistance to reduce risks, improve efficiency and quality.

We can fulfil all your testing, certification, technical assistance, audit, inspection and verification needs. Our extensive resources and expert knowledge of the industry allow us to provide reliable performance services to suppliers, manufacturers and retailers, large and small.

A GLOBAL REACH WITH A LOCAL TOUCH

With a presence in nearly every single region around the globe, our experts speak the local language and understand the culture of the local market. We have a harmonised approach to delivering services leveraging the largest independent network of consumer product experts in the world.

Our expertise in compliance management will help you make the right choices for different national markets, while carrying out the necessary testing and certification quickly and professionally.

For further information contact:

Auto.global@sgs.com

or visit: www.sgs.com/automotive

WHEN YOU NEED TO BE SURE

SGS