



Choose certainty.
Add value.

Integrated quality assurance

Ensure quality conformity throughout the supply chain.

Your challenges

Automotive original equipment manufacturers (OEMs) have to manage the quality of components received from suppliers, as they are liable for any quality or safety failures arising from their products. To this end, OEMs must be able to identify and evaluate whether suppliers and the products they provide meet specific requirements. Suppliers have to provide adequate assurance of product quality and performance to the OEMs, by demonstrating a reliable and comprehensive quality system. The system must cover the components or raw materials that they receive from their upstream suppliers, as well as ensure that final products meet specifications. For aftermarket buyers, it is important to find sources of components that meet aftermarket expectations for low cost, quality and reliability. These parts must meet market requirements and regulations, and be of similar quality to original parts.

What is integrated quality assurance?

An integrated approach to quality, integrated quality assurance looks at the entire automotive supply chain and addresses the issues of managing global supply chain networks. It involves a combination of process and product audits that covers both external and internal checks, focussing on supplier management, quality conformity of the product through its lifecycle, factory quality and pre-shipment inspections.

How can we help you?

TÜV SÜD will conduct a preliminary study to understand your supply chain and production process. Once the process has been evaluated, our experts will work with you and your suppliers to ensure that your products meet the requirements of customers, standards and regulations.

TÜV SÜD INTEGRATED QUALITY ASSURANCE: A QUALITY GATE BETWEEN SUPPLIERS, MANUFACTURERS AND CUSTOMERS

Supplier management

- Inspect and provide certificates of conformity to pre-defined specifications/parameters
- Ensure suppliers' products meet specifications

Pre-shipment

- Identify quality issues prior to shipment to avoid any product recall
- Ensure accurate product and quantity checks are carried out



Factory quality audits & quality conformity testing

- Ensure consistent quality levels and quality-optimised factory processes
- Provide evidence that necessary checks are done according to COP requirements

Our integrated quality assurance services

■ Supplier management

TÜV SÜD performs selection and evaluation of suppliers based on management, quality, costs and delivery.

■ Quality conformity testing

We test products for conformity in accredited laboratories. The process includes sampling tests, batch testing and validation of test plans. If product non-conformities are found, we notify the manufacturer and provide quality alerts and inputs for achieving conformity.

■ Factory quality audits

Our experts audit the factory process for quality. We can also evaluate the production process and work with customers to optimise processes, resulting in leaner incoming inventories and reduction in overall failure rates.

■ Pre-shipment inspections

TÜV SÜD undertakes final inspections of manufactured products to ensure conformity before they are dispatched.

Your business benefits

- **Save costs** – by minimising defective production and reducing product failure rates.
- **Shorten cycle time** – by streamlining the quality assurance process of your global network of suppliers.
- **Reduce time to market** – by using optimised manufacturing processes managed with TÜV SÜD's integrated quality assurance.
- **Safeguard against liabilities** – with TÜV SÜD's integrated quality assurance services. Defect-free products will help minimise your risks of regulatory non-compliance and legal liabilities.

Why choose TÜV SÜD?

TÜV SÜD takes a holistic approach to quality management to ensure that the products provided by the suppliers in your supply chain network have consistent quality and safety standards. Our automotive experts work with top OEMs and suppliers worldwide to ensure they meet the highest standards of quality and safety.

You can be assured of impartiality and reliability with TÜV SÜD as your independent expert on automotive process and product inspections. We have a global network of automotive experts and testing labs in key automotive markets, ready to support your supply chain needs.

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 and Asia. 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:

- Automotive-related training
- International homologation
- ISO/TS 16949 – Automotive Certification Scheme
- Vehicle and component testing