

Automotive OEMs Production



Achieving Optimum Consistency

The key to achieving lasting relationships with your automotive manufacturer customers is being able to deliver as close to 100% consistency as possible. This is where you can use our many years of experience in testing to your advantage. From CASE Mobility solutions to digital systems consultancy and cyber security, safety advisory, training or management system certification, you can trust DEKRA to help you achieve your long-term goals.

CASE Mobility – achieving digital transformation and a sustainable long-term business

Our wide range of services in support of meeting the challenges of connected, autonomous, shared, and electric (CASE) mobility help you build a strong business model for the future. Benefit from our consultancy, testing, certification and training expertise and from value-added competitive advantage.

Automotive Testing

With decades of experience in homologation, type approvals and performance testing, we work closely with OEMs, Tier 1 and Tier 2 suppliers, authorities, engineering companies and other automotive industry players and offer a wide range of complementary support in the automotive value chain. DEKRA's range of automotive testing services and our accredited network of global testing facilities meets all recognized automotive standards and covers a comprehensive range of international regulations and OEM-specific requirements for the vehicles of today and tomorrow, their components and shared car services.

Connected Vehicle Testing

Our automotive heritage and track record in testing and verification, in both automotive and telecommunications, give you a competitive edge in a future where nothing on the road will work alone. We offer a complete scope of testing services for the connected car and help you with wireless connections, interoperability, electromagnetic compatibility, cyber security and functional safety. In addition, we offer you every type of certification you may need to market your connected car components, systems, and vehicles around the world.

Electric Vehicle Testing

DEKRA provides a broad service portfolio for e-mobility, which includes a range of testing solutions from cables, inverters and charging station infrastructure to individual battery cells and modules.

Electromagnetic Compatibility (EMC) and Radio-frequency (RF) Testing

Current regulations require all electric and electronic components, devices, systems and even whole vehicles and their components to feature a certain degree of electromagnetic compatibility in order to ensure proper operation in their intended environment as well as user safety. This prevents malfunctions, unsafe operation and accidents caused by electromagnetic interference with the on-board electronics (all driver assistance systems such as Brake or Distance Assist, ABS, airbags, etc.). The more automated and connected vehicles become in the future, the more important it is to conduct EMC and RF testing.

Environmental Inspection

DEKRA's environmental inspection services enable you to efficiently manage potential risks for the environment. We can support you worldwide in identifying environmental protection, whether via on site measurements or online monitoring of the main environmental parameters. This reduces the risk of possible negative impacts on the environment and effects on your brand.

Expert Audits and Assessments

We support you in finding ways to improve your organizational processes and system performance, as well as to assess and evaluate supply chain partners. Working closely together, we devise and implement effective strategies to maximize potential with on-site and remote audits conducted by experienced professionals.

High-voltage Vehicle Training via Digital Learning Tools

DEKRA e-mobility training is a digital response to the increasing use of electric vehicles around the world. Technicians working with electric vehicles require new sets of skills and knowledge to ensure safe and effective operation. Using digital learning tools, we will train your technicians in the safety and protection measures they need to use to stay safe when working on high-voltage systems.



Mandatory and Voluntary Construction Control Services for EV Infrastructures

DEKRA offers a comprehensive range of testing and validation services related to the required buildings and infrastructure that is needed to produce e-vehicles. This includes both mandatory and voluntary construction control inspections. DEKRA is accredited to carry out mandatory inspections in many countries around the world.

Plant Safety Inspection

The safe operation of plant and machinery, health and safety at work are mission-critical factors. DEKRA experts can work with you to ensure that your operations comply with all relevant regulations and provide a safe place of work, for people and the environment. Pragmatic recommendations by our experts help prevent human or workplace risks and to ensure plant and safety equipment is fully optimized. To further support you, we are also constantly developing new digital and connected HSE services.

Sustainability Advisory, Coordination and Services

Focusing on sustainable practices, we evaluate policies and processes with the aim of showing you how to maximize sustainability with solutions that respond to your company's needs. Whether compliance, education, or corporate sustainability management, we are equipped to provide innovative, tailored solutions that help you reach your sustainability goals.



Regulatory Compliance and Safety Performance – meeting the challenges of an ever-changing ecosystem

Change is happening today at a faster pace than ever before. Disruptive technologies and evolving consumer expectations are driving new demands from automotive manufacturers. With our specialist expertise in all aspects of safety and compliance, we keep you ahead of the game.

Automotive Management System

The International Automotive Task Force has expanded the former ISO/TS 16949 standard into the uniform IATF 16949 standard with the aim to assist suppliers in serving OEMs and Tier 1 automotive suppliers. IATF 16949 covers common customer-specific requirements, such as traceability to support current regulatory changes, safety-related parts and processes, and warranty management processes including NTF (No Trouble Found).

Automotive Type Approval and Homologation

When selling your vehicles or parts in different international markets, you need to obtain the relevant approvals according to the legal requirements of your target markets. Our multiply designated technical services provide a full range performance testing portfolio for the whole vehicle and component homologation process. We cover e/E-mark testing and compliance reports to EU and UNECE regulations and tests conducted according to national regulations. Conformity tests can be performed in our own testing locations. Furthermore, we can provide conformity testing reports globally through witness testing in accredited or qualified manufacturer laboratories.

Chemical Safety Advisory

Maintaining compliance with testing and reporting mandates, product labeling, and documentation and legislative initiatives such as REACH can be an overwhelming task for manufacturers and importers. Our chemical safety advisory team specializes in supporting companies seeking to comply with the hazardous substances regulatory framework with testing, classification, management services and more.

Chief Information Security Officer (CISO) Training

This course provides a well-founded overview of the various information security standards needed to make tactical and operational decisions as Chief Information Security Officer (CISO). It provides insights into legal and personnel aspects and how to safely deal with outsourcing projects.

Conformity of Production Testing (COP)

Our multiple designated Technical Services provide a full range performance testing portfolio for the whole vehicle and component homologation process. As part of the type approval process our experts can support you in the obligatory initial assessment and approval to the conformity of your production. We can help you establish your own effective inspection procedures, and/or provide the needed periodic re-evaluation CoP of the product type approval.

Cyber Security and Data Protection Consulting

We support you in identifying, assessing and monitoring IT security risks and help you recognize threats and assess their probability of occurrence. Following up an analysis of your IT infrastructure we advise on establishing or optimizing an Information Security Management System for your organization, including sector specific systems like TISAX®. In addition, DEKRA experts keep you informed and help you to stay legally compliant and up to date when it comes to data protection and related regulations such as GDPR.

Digital Health, Safety and Environment (HSE) Solutions

How we seek and use information about safety is critical to our ability to achieve results in safety. DEKRA delivers innovative IT-solutions and platforms which enable organizations to manage, control, and understand their data and uncover relevant trends and insights in order to identify areas of improvement and risk minimization. Our data collection and analytics solutions pair the experience and knowledge of our research professionals with proven tools and methodologies.

Energy and Environment Management System

ISO 50001 is based on the quality standard ISO 9001 and the environmental standard ISO 14001. This enables organizations to convert their existing energy and environmental management systems into a systematic energy management system. Key features include developing a company policy for the more efficient use of energy, data analysis of energy consumption in all major areas and continuous monitoring of measures. ISO 14001 focuses on the systematic development of a continuous improvement process. Companies and organizations of all sizes are able to boost environmental protection and bolster profitability at both the operational and product levels.

Environmental and Sustainability Advisory and Services

Our environmental consultants and auditors look not just at compliance, but also at how your company can increase efficiency. If your sector requires environmental appraisals, assessments or permits, our experts are there to help.

Examination of Experts for Quality, Energy and Environment

Validation by an objective third party gives employees confidence in their skills especially when it comes to the quality of your processes and the ability to meet modern requirements for a clean environment and saving energy. With our examination services you can be sure that your in-house experts can prove their expertise.

Fire Safety Officer Training

If fires result in the loss of production and delivery capacity, companies can lose customers and employees can lose their jobs. We support you in ensuring that you comply with all legal regulations and recommend appropriate training to achieve effective risk prevention.

Health, Safety and Environment (HSE) Strategy and Management

Maintaining strong HSE management is the most efficient way to ensure the wellbeing of your staff and, by extension, the continued existence of your business. Our HSE strategy consultants can help you define a comprehensive HSE policy that leads to improved safety outcomes through reduced hazard exposures, accident-free

work, a healthy workspace, and employee protection. In addition to addressing compliance issues, our experts assist you in reducing environmental impact, creating a supportive culture, and promoting performance improvements.

High-voltage Vehicle Training for Production and Development

The use of voltages above 25 V AC and 60 DC poses a hazard of electrical arcs and electric shock. For this reason, employees need to be trained in assessing electrical work, recognizing possible hazards, and taking suitable protective measures. This seminar teaches both the theoretical basics and how to safely handle every kind of HV vehicle and its components.

Information Security Awareness Training

This face-to-face awareness training sensitizes your employees to precisely identify and prevent cyber and social engineering attacks. The aim of this course is to inform employees of current threats, show how you are equipped to protect your assets, and teach staff how to react in actual risk situations.

Mandatory and Voluntary Construction Control Services for EV Infrastructures

DEKRA offers a comprehensive range of testing and validation services related to the construction of new EV charging stations, networks, retail outlets, showrooms and infrastructure. This includes both mandatory and voluntary construction control inspections. DEKRA is accredited to carry out mandatory inspections in many countries around the world.

Mandatory and Voluntary Inspection Services for New and Adapted Machinery and Equipment

Industrial processes including machinery and equipment present a considerable risk potential. They are therefore frequently subject to strict safety regulations, both when commissioned and during operation and maintenance. DEKRA provides inspection services, CE certification and technical advisory for a wide range of conformity assessments, risk analysis and application of standards to manufacturers and operators of industrial processes.

Mandatory and Voluntary Inspection Services of Environmental Measurements

DEKRA offers a wide range of services concerning a protected environment. Our measurement of e.g. air, soil and water pollution, and levels of noise helps you to efficiently manage any risks related to the environment.

Mandatory and Voluntary Inspection Services of Workplace-Related Measurements

DEKRA offers a wide range of services covering the provision of safe workplaces. Our measurement of indoor air quality, temperature, lighting, radiation, noise and vibration supports you in efficiently managing risks for workers and those moving around the workplace environment – anywhere in the world. We can work with you to address occupational health and safety (OHS) issues, mitigate impacts on your brand and ensure worker safety. The safe operation of plant and machinery, health and safety at work are mission-critical factors. DEKRA experts can work with you to ensure that your operations comply with all relevant regulations and provide a safe place of work; this is a precondition to improve performance via better HSE management. Pragmatic recommendations by our experts help prevent human or workplace risks and to ensure plant and safety-equipment is fully optimized. To further support you, we are also constantly developing new digital and connected HSE services.

Mandatory and Voluntary Inspections of Electrical Installations

DEKRA is a leading global provider of electrical installation inspections. We can work with you from the very earliest planning stages to ensure compliance, detect errors and minimize costs. DEKRA operates as an accredited body or with specially authorized electricians to carry out mandatory and voluntary inspections to ensure regulatory compliance and improve safety performance. The comprehensive programs and reports provided by DEKRA's electrical experts help you to secure your systems in the most cost-effective way.

Mandatory and Voluntary Inspections of Fire Protection and Ventilation Systems

DEKRA's fire protection experts are accredited by all relevant authorities to carry out tests before the commissioning of a building, as well as providing ongoing or recurrent building inspections and tests. This is especially important due to the fact that e-vehicles can generate fire risk, due to the high volume of batteries. This risk needs to be analyzed and prevented. Working with you from the earliest planning stages, our fire protection experts ensure that any building technology faults or defects are detected at an early stage and that costs are minimized.

Mandatory and Voluntary Inspections of Pressure Equipment

Pressurized systems represent a great potential hazard. Companies that operate pressure equipment must comply with numerous safety standards to protect both people and the environment. With decades of experience, DEKRA has developed a wide range of services for manufacturers, users and investors. We ensure that you conform to all relevant directives and/or other legislation relating to the use and servicing of pressure equipment.

Occupational Health and Safety Training

According to the Occupational Safety and Health Act, employers are obliged to assess health hazards in the company and to take the necessary protective measures. We ensure that your employees have sufficient knowledge about safety-relevant topics.

Organizational Safety and Reliability

Using trusted metrics to assess an organization's safety culture and uncover hidden risks, we strive to transform workplace culture, ensuring reliability and strengthening performance. Our diagnostic, coaching and training approach is designed to create a culture of care at every level of your organization.

Process Safety Consulting

Whether you are carrying out a safety review, implementing safety audits or ensuring compliance with standards or regulations, we can help. We provide impartial advice and recommendations for the risk identification, analysis, prevention, and management of fires, explosions and accidental chemical releases, whenever you need it.

Quality Management System

Reliable quality management based on ISO 9001 ensures high quality processes, products, and services. A central feature is its risk-based approach, which identifies opportunities and risks, derives appropriate measures and evaluates their effectiveness. This ensures that the quality management system and the accompanying processes in your organization achieve the desired results.

Safety Advisory, Services and Coordination

Our experts help you reach your safety goals with a range of tailored services including advisory, risk assessments, coaching and instruction or training, due diligence or on-site support. Protect your employees from accidents and other hazards in the workplace and minimize the overall effort for your occupational safety measures by engaging with our safety specialists.

Workplace Health and Wellbeing Solutions

With the aim of helping you maintain a healthy workforce and leadership, we assess physical, ergonomic and psychological risks and offer practical solutions. Our practices enhance employee well-being and create a safe, human-centered workplace where motivation thrives and human factors are respected.



Global Quality Standards – securing your global market presence

In all areas of OEMs, quality is crucial. With vast pressure on cost and competitiveness, automotive manufacturers need to know that they can rely on the products and services you supply. DEKRA will work with you to achieve the level of reliability and excellence your customers demand from you.

Automotive Management System

The International Automotive Task Force has expanded the former ISO/TS 16949 standard into the uniform IATF 16949 standard with the aim to assist suppliers in serving OEMs and Tier 1 automotive suppliers. IATF 16949 covers common customer-specific requirements, such as traceability to support current regulatory changes, safety-related parts and processes, and warranty management processes including NTF (No Trouble Found).

Business Continuity Management

Business Continuity Management (BCM) according to ISO 22301 enables you to quickly resume your business activities after critical events. The international standard provides the appropriate framework and bundles the requirements for robust, effective business continuity management.

Business Resilience Impact Assessment (BRIA)

We help you identify concerns and implement solutions to improve the systems and processes you rely on to continue operations in the aftermath of unforeseeable events not under your control. It is now vital that every business, regardless of industry, location or size be able to reassure stakeholders of their proven resilience and continuity capabilities. Our multilevel approach assists you in developing and maintaining effective resilience strategies in three levels.

Connected, Autonomous, Shared, Electric (CASE) Mobility Training

Connected, autonomous, shared and electric (CASE) mobility is causing radical change in every part of the mobility value chain, and each of these requires new, innovative training concepts. From manufacturing to aftersales, mechanics or roadside assistance, we have the expertise and training programs you need to ensure that your employees will be safe and effective in this new environment.

Cyber Security and Data Protection Consulting

We support you in identifying, assessing and monitoring IT security risks and help you recognize threats and assess their probability of occurrence. Following up an analysis of your IT infrastructure we advise on establishing or optimizing an Information Security Management System for your organization, including sector specific systems like TISAX®. In addition, DEKRA experts keep you informed and help you to stay legally compliant and up to date when it comes to data protection and related regulations such as GDPR.

Examination of Experts for Health and Safety

Validation by an objective third party gives employees confidence in their skills especially when it comes to the occupational safety of your employees. With our examination services you can be sure that your in-house experts can prove their expertise.

Examination of Experts for Quality, Energy and Environment

Validation by an objective third party gives employees confidence in their skills especially when it comes to the quality of your processes and the ability to meet modern requirements for a clean environment and saving energy. With our examination services you can be sure that your in-house experts can prove their expertise.

Expediting, Shop and Vendor Inspection of Equipment

Acquiring new equipment and machinery as well as automotive components can be timely, costly and risky. We carry out inspection and expediting services on your supplier's premises, verifying the quality of manufactured products or equipment and time of delivery.

Health, Safety and Environment (HSE) Management System

We help to ensure your ability to protect employee health and safety as well as the local environment. ISO 50001 certification improves energy efficiency with the introduction of an effective energy management system, while ISO 14001 certifies your environmental management system to demonstrate sustainable operation. In order to minimize operational risks for employees, ISO 45001 formulates requirements for comprehensive, modern occupational health and safety.

Information Security Management System (ISMS)

We can help you to protect sensitive data and secure your IT systems, components, and processes to meet today's cyber security challenges. Our ISO 27001 certification will put you in a position to comply with legal requirements and meet the needs of your customers. In addition to technical measures, ISO 27001 certification recognizes the importance of documentation associated with high-level information security management. Recognized by participants across the global automotive industry supply chain, the Trusted Information Security Exchange (TISAX®) has established a uniform level of information security to boost confidence in audited companies. Standardized TISAX® assessment eliminates superfluous "double auditing" - saving you both time and money.

Management Systems Consultancy

The goal of management systems is to achieve continuous improvement in processes, taking into account the identified risks and opportunities. To achieve this, our consultants apply their many years of operational experience to provide advice on topics related to international standards and help you achieve compliance.

Mandatory and Voluntary Construction Control Services for EV Infrastructures

DEKRA offers a comprehensive range of testing and validation services related to the construction of new EV charging stations, networks, retail outlets, showrooms and infrastructure. This includes both mandatory and voluntary construction control inspections. DEKRA is accredited to carry out mandatory inspections in many countries around the world.

Mandatory and Voluntary Inspection Services for New and Adapted Machinery and Equipment

Machinery and equipment such as industrial lifting equipment, industrial doors, storage equipment and any other special tool or mechanical device present a considerable risk potential. They are therefore frequently subject to strict safety regulations, both when commissioned and during operation and maintenance to provide flexible processes. DEKRA provides inspection services, CE certification and technical advisory for a wide range of conformity assessments, risk analysis and application of standards to manufacturers and operators of machinery, devices and lifting equipment. Thanks to our extensive global network, we can provide these services anywhere in the world, including for distribution networks or retail outlets, for example.

Mandatory and Voluntary Inspections of Pressure Equipment

Pressurized systems represent a major potential hazard. Companies that operate pressure equipment must comply with numerous safety standards to protect both people and the environment. With decades of experience, DEKRA has developed a wide range of services for manufacturers, users and investors. We ensure that you conform to all relevant directives and/or other legislation relating to the use and servicing of pressure equipment.

Quality Management System

Reliable quality management based on ISO 9001 ensures high quality processes, products, and services. A central feature is its risk-based approach, which identifies opportunities and risks, derives appropriate measures and evaluates their effectiveness. This ensures that the quality management system and the accompanying processes in your organization achieve the desired results.

Second-Party Audits

Experienced auditors provide fast and efficient audits to help you in approving new suppliers, addressing quality issues, confirming corrective actions, or performing reviews or maintenance as part of a supplier management process.

Supply Chain Audits

Our comprehensive audits let you evaluate and ensure ethical, environmental and social compliance as well as process integrity and security throughout the entire supply chain. Our services include initial supplier audits and continuous monitoring, as well as helping you to decipher international, national and local regulatory requirements.

Supply Chain Consulting

With increasingly complex supply chains and interdependent networks, maintaining hard won gains in developing a healthy safety culture can be a challenge. Our supply chain assessments pinpoint cultural continuities as well as incompatibilities between companies and contractors. We have developed consistent and proven methods to evaluate cultural alignment between your organization and prospective contractors.

VDA 6.1, VDA 6.2, VDA 6.4

These standards were developed by the German Automotive Industry Association (Verband der Automobilindustrie, VDA). They cover certification of quality management systems (VDA 6.1), service processes (VDA 6.2), and production resources (VDA 6.4), such as manufacturers of tools, plant and machinery, appliances and testing and measuring equipment. Our experts can work with you to obtain certification in any or all of these areas.

Due to impartiality and independence requirements of regulatory authorities, services may have to be performed by different, mutually independently operating DEKRA units.

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On the safe side.

