

Examination of Experts for IT and Cyber Security

To inspire trust among existing customers and attract potential new customers it is essential to ensure information security – including IT systems, components, and processes. Our accredited personnel certification services cover a wide range of requirements generally recognized on the international stage and the validation by an objective third party gives employees confidence in their skills and customers confidence they have chosen the right partner.

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 the respective HV vehicle and its components.

Information Security Management System Consulting

Our cyber security consultancy follows up an analysis of your IT infrastructure with recommendations for the design and implementation of IT security systems. With a flexible, holistic approach, our experts take into account the specifics of your sector, your strengths and your most pressing needs to create an information security system that works for you while complying with applicable standards, such as ISO 27001 or sector-specific systems like TISAX*.

Information Security Risk Assessment and Management

No company today is immune to cyber security risks and potential attacks. Our consultants carry out systematic network security analyses, determine the existing level of cyber security and develop a plan to improve it.

Sustainability Advisory and Services

Focusing on sustainable practices e.g. for EV batteries, 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.

Technical Advisory for Electrical Infrastructure (EV Charging Stations Network and Distribution)

DEKRA specialists can provide you with comprehensive technical support during all phases of the construction process: whether that involves technical advisory on buildings and road infrastructure, analysis and evaluation of the status quo, or the development of customized solutions. We keep you informed about potential problems you may face in future inspections or with the intended use of any industrial machinery and equipment. We are also experts in the testing and certification of all types of electric vehicle supply equipment (EVSE), including home and industrial charging solutions (including for e-buses and e-trucks), fast-chargers, vehicle-to-grid chargers, and inductive charging systems.

Technical Expertise – ensuring expert skills in training for new technical topics

Keeping pace with innovation and new technologies is one of the biggest challenges facing the automotive supplier sector. Fast-paced changes in IoT, electric vehicles, and autonomous driving are all creating new demands on skills and expertise. On top of that, technology is changing faster than the related regulations and the return on your training investment is hard to predict. Our experts will work with you to design programs that ensure your technical staff are well prepared to maximize effectiveness and productivity.

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.

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

Automotive Suppliers Design and Product Development



Getting it right, from the very start

DEKRA has been involved in product development and testing from the very earliest days of the automotive industry. Today, we are a world-leading independent expert organization with expertise in product validation, type testing and accreditation. We are there to support you along your entire product development value chain, from the very earliest design stages and prototyping right through to type approvals and series production. Wherever you are in the world, you can rely on DEKRA as your specialist partner.

Global Quality Standards – securing your global market presence

Quality is the life's blood of all areas of OEM sales. With immense 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 to form 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).

Chemical Safety Advisory

Maintaining compliance with testing and reporting obligations, 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.

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On the safe side.

Design Verification (DV) and Product Validation (PV) Testing

Material testing provides accurate and reliable information for manufacturers on the properties of the components and materials they are using or producing. In many cases, testing is also used to confirm that the material properties are consistent with the documentation and can be safely used in engineering applications or supplied to end users. Alongside our proven expertise in this area, DEKRA also provides services to ensure a sustainable supply chain that is balanced against the safety needs.

Durability Testing

Thorough durability and endurance testing of the whole vehicle and its driving dynamics are crucial to confirm the performance and reliability of components in their real environment. By testing life-cycle profiles of whole vehicles or just the evaluation of a specific single design feature, we identify potential defects that might endanger road traffic safety. With decades of experience, DEKRA's focus in durability testing is on the complete vehicle and its integrated sub-systems.

Electromagnetic Compatibility (EMC) and Radiofrequency (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.

E-Marking and Type Testing

Type testing and e- or E-marking for vehicles and vehicle components is a mandatory homologation process required in order to obtain an operating authorization. DEKRA's Technical Services can support your development and approval process with validation, testing, and certification for the e- or E-mark according to EU and UN-ECE regulations. An e- or E-mark confirms that your vehicle or component complies with the relevant EU (e-mark) and ECE (E-mark) regulations. This allows you to sell your product in the EU or other regions that are members of the 1958 UN-ECE agreement. Our homologation experts and our global network of testing laboratories with multiple designations as Technical Service by different national type approval authorities offer a comprehensive range of type testing and e/E-Mark certification services in accordance with the current EU framework regulations of EU2018/858, EU167/2013, EU168/2013 and the relevant UN-ECE regulations.

Environmental Management System

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.

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.

Material Testing of Vehicle Parts and Interior Materials

Vehicle parts must fulfill specific safety and material resistance requirements, both for the vehicle interior as well as its structure. DEKRA can test your components for harmful substances and durability – giving you the benefits of our decades of leading expertise. Use our wide spectrum of services to reliably check your compliance with individual requirements. Our testing and analysis services cover emissions behavior of materials and components, harmful substances (GADSL, PAH, REACH, RoHS), corrosion tests and aging tests (for example salt spray tests), environmental simulation tests (temperature change tests), light resistance tests (hot light aging, xeno-test), flammability/combustibility, fit for use testing, material tests, and damage assessments. Test chamber measurements, odor measurements, and pollutant analyses can be used to test automotive interior parts and evaluate the outgassing behavior. The DEKRA test laboratory offers comprehensive measurement and analysis procedures for test chamber measurements, VOC screenings, and single substance analyses.

Original Equipment Manufacturer (OEM) Recognition

To be able to provide OEM-specific testing services (for example, Product Validation (PV) for materials, chemical analysis or electromagnetic compatibility (EMC)) to the automotive supplier base, OEMs validate and approve selected service providers to perform specific test-plans according to their corporate quality standards and Quality Management Systems (QMS). DEKRA is part of one such OEM-validated, approved and recognized service network. With its international locations and globally recognized testing facilities, DEKRA provides access hubs and validation approvals for your products. Our EMC labs are approved by, e.g. FCA/FORD and GM.

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.

Supply Chain Management Consulting

With increasingly complex supply chains and interdependent networks, maintaining any hard-won successes 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.

Sustainability Advisory and Services

Focusing on sustainable practices, we evaluate policies and processes and provide solutions that improve the sustainability of our customers' processes, products and services while maintaining efficiency and productivity.

Technical Advisory for Electrical Infrastructure

Our extensive knowledge of electrical infrastructure inspection processes enable the DEKRA specialists to provide you with comprehensive technical support for your design processes, whether that involves buildings, road infrastructure, due diligence inspections or workflow process optimization. We also offer end-to-end testing and certification services for all types of electric vehicle supply equipment (EVSE), charging networks and distribution, including home and industrial chargers, fast-chargers, vehicle-to-grid chargers and inductive charging systems.

Testing of Vehicle Operating Fluids

The choice of operating fluids used can have a significant influence on the function and service life of a vehicle. DEKRA offers various options for examining and testing the quality of these fluids. In addition to chemical-physical analysis to determine the contents, material characteristics, and detect impurities, we also perform material compatibility testing and performance tests. We carry out special expert analyses to determine the cause of damage on behalf of surveyors, insurance companies and authorities. Our testing and analysis services cover coolants, brake fluids, fuels, engine oils and lubricant, as well as damage analysis/residue analysis.

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.

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

Our wide range of services for meeting the challenges of a connected, autonomous, shared, and electric (CASE) mobility can help you build a business model capable of rising up to the challenges of the future. Let our profound expertise in consultancy, accreditation, and training become your competitive edge and benefit from the added value they bring.

ADAS Testing

Manufacturers are obligated to test the functional safety and confirm the performance of driver assistant technology in line with various safety standards (ADAS tests). Our experts analyze the impact of all assistance systems, from Electronic Stability Programs (ESP) to adaptive cruise control, lane departure warning, brake assist, emergency braking assist and turning assistant. To test the systems, our experts work with R&D departments and co-define profiles for public road data collection as well as performance scenarios, for example in the area of pedestrian safety. DEKRA provides special test facilities at the DEKRA Automotive Test Centers in Germany, Spain and China to reconstruct all sorts of different real-life situations. DEKRA can certify ADAS components in more than 220 countries. That ensures global market access.

Automotive Management Systems Training

A successful audit requires a true understanding of the requirements set by the ISO 9001 and IATF 16946 standards. This training offer includes hands-on workshops to prepare you for real-life auditing situations. You will learn to manage the audit process and complete reporting in a collaborative and engaging environment.

Connected Vehicle Testing

DEKRA offers a complete portfolio of testing services for connected vehicles, including wireless connections and interoperability. In addition, we provide any type of certification you may need to market your connected car components, systems, and vehicles around the world, from Bluetooth, MirrorLink and Wi-Fi to PTCRB and AirFuel.

Data Protection Consulting

DEKRA experts keep you informed and help you stay legally compliant and up to date when it comes to handling data. If you prefer more targeted expertise, we can provide the individualized support of a data protection officer to carry out services on-site and in close cooperation with your team.

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