



Quality Solutions With You Every Step



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HQTS Group

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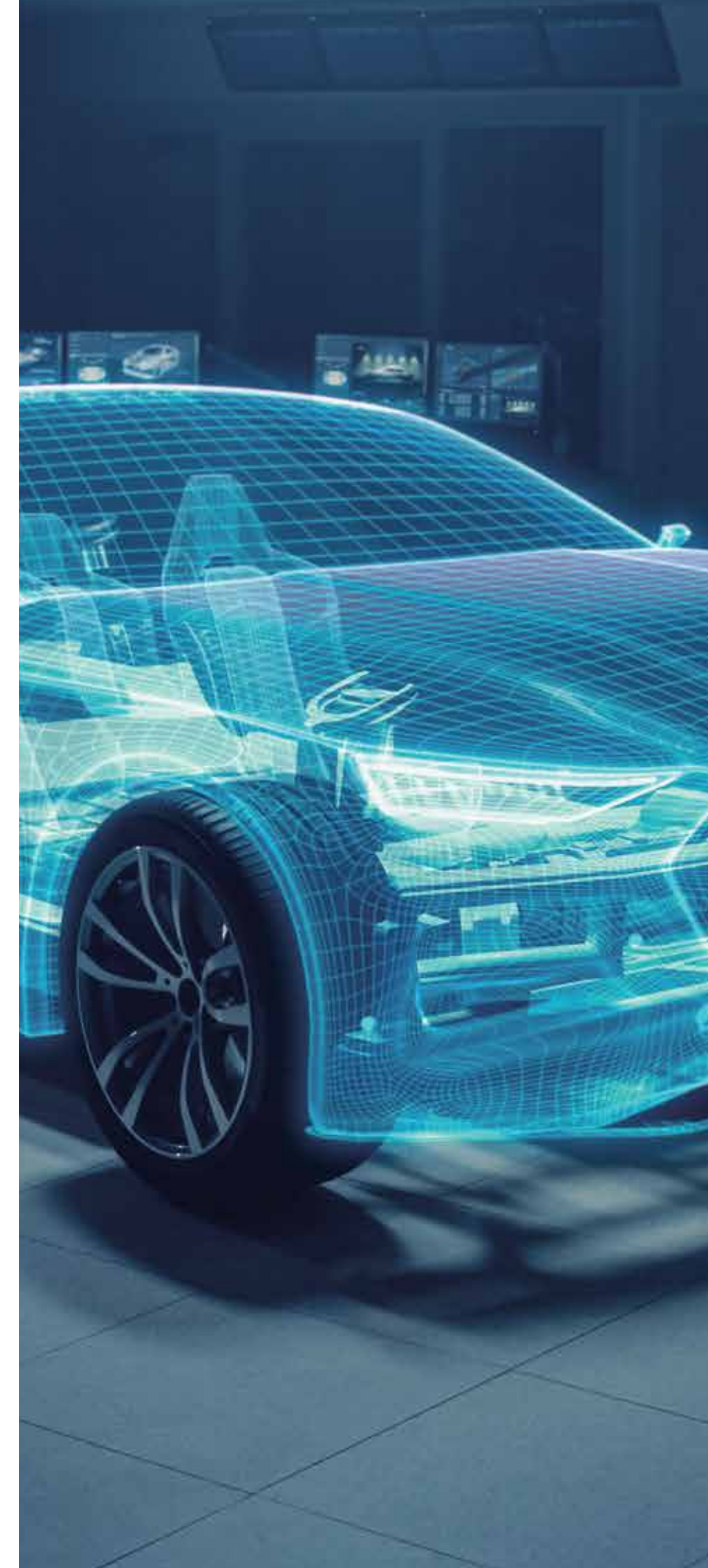
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Automotive

Full Cycle Quality Solutions





About HQTS

Founded in 1995, HQTS Helmsman Group is a global leader in quality management services. HQTS has more than 2000 employees worldwide, and its operation network covers more than 40 countries and regions around the world, focusing on mainstream industries such as textiles, electronic appliances, light industry, food and agricultural products, energy and power, industrial manufacturing, automotive and rail transit, oil and gas, etc. Provide inspection, testing, auditing, certification, consulting, training, procurement acceptance, supply chain quality management, product conformity certification, smart quality digital management and other services, focusing on solving product supply chain management quality problems for customers. No matter which industry you are from, HQTS will provide you with sustainable quality management solutions for the whole supply chain and make continuous efforts to build a global smart quality ecosystem.



HQTS Strength



With the deepening of economic globalization, automotive and rail transit, all of which are playing an increasingly important role in the process of economic and social development. And with the new changes in the international pattern, cities expanding and populations growing, whether it's for an industry or people's livelihood, the demand for public transportation is increasing day by day.

This means that the industrial structure of the automotive industry and rail transits urgently need to be upgraded, and they are seeking a more optimized production management model to adapt to the new situation, and ensure the sustainable development of the transportation economy.

HQTS has rich talents, resources, practical experience, and can provide a professional one-stop solutions for the problems that may arise in the industrial production cycle, such as issues related to rail engineering design and development, automotive steel product quality, transportation equipment parts supply production efficiency, etc.

HQTS provides comprehensive and reliable guarantees for the production and manufacturing industries for customers within traditional and emerging industries, especially in the new energy automobile industry, and helps the automotive and rail transit industries to play a greater role in the process of economic globalization.

HQTS

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Quality solutions along the product life cycle



Service items

Design and Development

- CATIA Design Engineer
- Early stage quality engineer
- Simulation application engineer
- Packaging Design Engineer
- PPAP training and coaching
- PE expert

Design and Development Feedback Evaluation and Correction

- Process Engineer/Expert
- Supplier Quality Engineer
- Various types of testing and other laboratory tests for materials, systems, tensile, durability, corrosion, environment, electromagnetic compatibility, flaw detection, exhaust emissions, etc.
- Experimental equipment and laboratory construction plan
- Process quality engineer
- Laboratory engineer
- IE engineer

Product mass production

- IATF16949 Third party Audit/Training
- Quality tool training road test
- Product/Vehicle
- VDA6.3 process audit
- Lean management training
- Product carbon footprint assessment
- Connected Vehicle Compatibility and Interoperability Inspection and on-board unit inspection
- Product consistency audit
- Improvement experts
- CS1/CS2 quality firewall

After sales and After market

- Resident engineer
- Dealer/Store Audit
- Third-party inspection/assessment of import and export vehicles
- Defective product containment
- Laboratory testing services for spare parts retailers
- Used car testing and certification
- Vehicle repair and software refresh in parking lot



Gap Analysis - Process Capability Improvement

HQTS' Supplier Development Engineers have a variety of expertise in performing gap analysis and resolving system issues, they can conduct system development audits for customers to identify deficiencies in supplier systems, and develop and implement corrective action plans and samples for suppliers Submission Verification (PPAP). Supplier Development Engineers can also recommend necessary improvement plans for customers, correct problems, improve the operation system, and provide support to suppliers to improve the quality level of suppliers when new projects are launched.



References

Project: Supplier auditing services for automotive industry manufacturers in Dalian, China

Location: Dalian, China

Period: within 6 months of 2015

Service Achievements: HQTS provides comprehensive supplier audit services for automotive industry manufacturers, dispatching 2 VDA6.3 auditors to conduct 3 audits within 6 months, each audit lasts for 2 days, and finally the manufacturing process is effective. improvements, and made the supplier pass the customer's second-party audit.



Quality Specialist / Engineer

HQTS provides you with quality experts and engineers that have matching skills and qualifications, who not only have rich work experience, but also have a professional attitude. In the process of cooperating with OEMs and suppliers, they can contain and solve quality problems and provide you with comprehensive and considerate services such as start-up support, problem solving, error proofing, continuous improvement, planning and implementation, quality gate system, control plan, process flow diagram, assistance in establishment, implementation, and verification of hierarchical audits.



References

Project: Provide quality improvement services for a Tier 1 supplier of automotive steel products in Wuhan, China

Location: Wuhan, China

Period: within 6 months of 2016

Service results: HQTS dispatched an experienced improvement expert to carry out a quality improvement support plan for the customer, help implement the supplier's relevant quality improvement plan, complete the training of quality tools for all staff, realize the visualization of on-site quality management, optimize and rebuild customer feedback Process systems and provide suppliers with professional 8D reports that are highly recognized by customers.



Training

HQTS will customize and improve training courses according to your companies situation and the challenges you are facing, and provide on-site improvement training services, including pre-production quality planning, problem solving, production part approval procedures, application of SPC tools, Kaizen, VAVE, 5S and Visual workplace, failure mode and effect analysis, error proofing, measurement system analysis, GD&T, ISO 9001 IATF16949, OHSAS18000, ISO17025, IRIS and other related subject skills. Your factory is our training classroom.



References

Project: Provide quality management tools and lean production training for automotive engine parts suppliers in Qingdao, Tianjin and Langfang, China

Location: Qingdao, Tianjin, Langfang, China

Cycle: the whole year of 2018

Service achievements: HQTS provides customized quality management tools and lean production training for automotive engine parts suppliers in Qingdao, Tianjin and Langfang, China. We deployed 1 engine expert, 1 material engineer and 1 test engineer, led customers to implement 31 improvement activities, enabled customer quality and production personnel to be proficient in using various quality and improvement tools, and helped customers pass OEM PPAP audits, And build a complete and effective experiment and measurement system for customers.



Laboratory and Testing

HQTS has a laboratory sharing platform that can meet the actual needs of owners and users. It has a significant effect on improving the utilization rate of experimental testing equipment and reducing the capital investment of experimental testing equipment.



References

Project: Provide technical support to a automotive engine parts supplier in Shenyang, China
Location: Shenyang, China
Cycle: the whole year of 2018
Service achievements: HQTS designed and built a laboratory for a automotive engine parts supplier in Shenyang, and designed tooling, fixtures and measuring tools to meet the needs. We only use 1 laboratory expert, 1 tooling and inspection tool design engineer and 1 17025 audit engineer to build a laboratory with complete functions, standardized management, and accurate experimental/measurement data for customers. Save nearly 2 million yuan in experiments, measurement equipment and tools for customers. And help customers passed the 17025 laboratory certification in 2019.

Improve plan comprehensively

HQTS cooperates with first-class engineering consulting service teams at home and abroad to provide high-level engineering consulting services for automobile, construction machinery, rail transit, energy, power and other industries.



References

Project: Comprehensive service for construction machinery manufacturers in Jining, China
Location: Jining, China
Cycle: 2014-2017
Service Results: A professional team of 6 engineers, 1 improvement expert and 20 quality inspectors provided Jining's construction machinery manufacturers with comprehensive supplier management services, including complex containment services, expert services, and measurement services and training. Through more than 3 years of cooperation, the improvement plan was formulated and implemented in stages, which reduced the waste of human resources, increased production capacity, reduced the defect rate related to containment, and improved the qualified rate of work-in-progress, which not only safeguarded the interests of the main engine plant, but also It also safeguards the interests of many suppliers.