QualityWise.pl®

QUALITY MANAGEMENT

IN AUTOMOTIVE

Training Catalogue

Thank you for your interest in Qualitywise® !

Agata Lewkowska Ph.D.
founder of Qualitywise®
and lead trainer

Find QualityWise® in social media!

We are pleased to introduce our comprehensive Training Portfolio for Quality Management in the Automotive Industry. At Qualitywise® we recognize challenges and opportunities that automotive manufacturers and suppliers face, and our training programs are designed to address these specific needs.

We understand that every organization has unique requirements, and we are committed to working closely with you to customize our training programs to align with your goals and objectives.

We invite you to explore our Training Portfolio and discover how our programs can empower your team to master quality management within the automotive industry. Our primarily languages of services are English and Polish. However, as Qualitywise® is a team of experienced specialists from many countries we are capable to provide support to our clients in different languages.

Thank you for considering Qualitywise® as your partner in quality management training, auditing and consulting. We look forward to the opportunity to work with You!

Be Quality Wise.pl® *with us!*

Our trainings

Clik on the topic to see details.

STANDARDS

- IATF 16949 with ISO 9001
- ISO 9001 requirements for quality management system
- ISO 14001 Environmental Management System
- ISO 45001 Occupational Health and Safety
- Integrated Management System
- ESG Reporting in Practice
- Building Quality Culture based on ISO 10010
- IATF 16949 for Leadership
- IATF 16949 for HR
- IATF 16949 for Engineers
- IATF 16949 for Purchasing
- IATF 16949 for Laboratory
- IATF 16949 for Logistics
- QMS specialist in automotive
- ISO/IEC 17025 Awareness training
- ISO 27001- Information Security System
- TISAX-Assessment based on VDA ISA
- MMOG/LE

METROLOGY

- Management of Measuring Equipment
- Calibration of length and angle measuring instruments
- Metrology: Length and Angle Measurements
- Measurement Uncertainty according to ISO and VDA 5

AUDITING

- Internal auditor in the automotive industry
- Requirements for auditors based on ISO 19011:2018
- Auditing Integrated Management System
- VDA 6.3 process auditor
- VDA 6.5 Product audit
- VDA 6.7 – Production Equipment Audit
- VDA 6.8 – Supply Chain Process Audit
- Layered Process Audit based on CQI-8
- Advanced workshop for internal auditor in the automotive

CORE TOOLS

- Core tools acc. to AIAG
- APQP-PPAP according to AIAG
- APQP ed.2024 according to AIAG
- PPAP according to AIAG
- FMEA according to AIAG-VDA
- SPC-MSA according to AIAG
- MSA according to AIAG
- SPC according to AIAG
- Control Plan according to AIAG
- FMEA-FCH-CP documentation
- VDA 2 - PPF Process
- VDA 5 Capability of Measurement Processes
- VDA MLA

Our trainings

Clik on the topic to see details.

PROBLEM SOLVING

- Effective problem solving - CQI-20
- Basic quality tools in problem solving
- Human error analysis in problem solving
- 8D report in problem solving
- QRQC in problem solving
- A3 in problem solving
- Error & Mistake Proofing - Effective management

SPECIAL PROCESSES

- CQI 9 Heat treatment
- CQI 11 Plating
- CQI 12 Coating
- CQI 15 Welding
- CQI 17 Soldering
- CQI 23 Moulding
- CQI 27 Casting
- CQI 30 Rubber processing

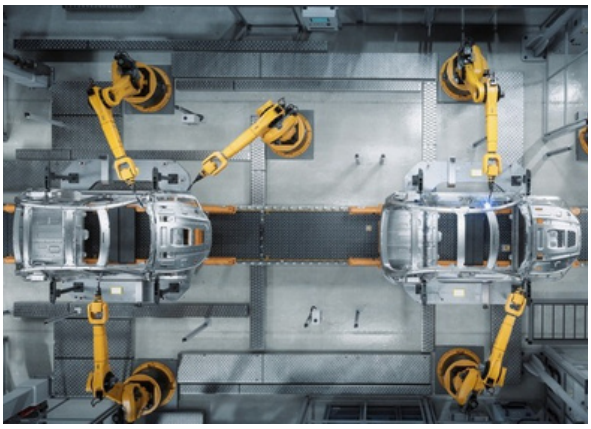
SYSTEM

- Customer Specific Requirements (different OEMs)
- Risk management
- Effective process approach implementation and execution
- Balanced scorecard
- Product integrity responsibilities in automotive
- Special characteristics management
- Change Management
- Supplier Management based on AIAG CQI-19
- Complaint management
- Warranty management based on CQI 14
- Technical Cleanliness based on VDA 19 Standards
- VDA FFA - Field Failure Analysis
- VDA RPP - Robust Production Process
- ESD - electrostatic discharges in an electronic environment
- Training Within Industry
- Homologation - Vehicle Type Approval

Are you interested in another topic?
Get in touch with us!

Contact

IATF 16949 with ISO 9001 for the automotive QMS



Purpose of the training:

- Getting acquainted with the requirements for the Quality Management System in the automotive industry.
- Systematization of knowledge on the requirements of IATF 16949:2016 with elements of the ISO 9001:2015 standard.

Training Program Highlights

- Understanding Automotive Quality Standards
  - Industry-specific characteristics of automotive quality systems
  - Origin and evolution of ISO 9001 and IATF 16949: what led to their development and why they matter
- Core Requirements of IATF 16949:2016
  - Structure and interpretation of IATF 16949 clauses
  - Key differences and enhancements over ISO 9001:2015
  - The process approach: mapping, managing, and improving your processes from a system perspective
- Customer-Specific Requirements (CSR)
  - What they are, where to find them, and how to implement them
  - CSR as an extension of OEM expectations – integrating them into your QMS
  - Real-world examples of how failing to meet CSR can impact supplier
- IATF 16949 connection to automotive core tools (FMEA, PPAP, APQP, MSA, SPC).

Benefits

The participant will learn:

- What are the requirements of IATF 16 949:2016,
- How to interpret selected points of the standard
- What to expect during the audit

Training duration:

2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

ISO 9001 for quality management system

Purpose of the training:

- Getting acquainted with the requirements for the Quality Management System based on ISO 9001:2015 standard.
- Understanding risk-based thinking and process approach.

Training Program Highlights

- The Structure Behind the Standard
  - Introduction to the High-Level Structure (HLS) used in all ISO management system standards
  - Understanding how ISO 9001 aligns with ISO 14001, ISO 45001, and others
  - Benefits of a harmonized structure for organizations using multiple standards
- The Process Approach
  - What it means to manage quality through processes
  - How to map, control, and improve your core and support processes
  - Understanding inputs, outputs, interactions, and performance indicators
- Risk-Based Thinking – A Modern Quality Mindset
  - What ISO means by "risk-based thinking"
  - Practical tools to identify, assess, and control risks and opportunities
  - How risk awareness supports preventive action and smarter decision-making
- PDCA Cycle in ISO 9001
- Quality Management Principles
- Detailed Review of ISO 9001:2015 Requirements

Benefits

- Understand and correctly interpret ISO 9001:2015
- Move beyond documentation and build a truly process-oriented system
- Integrate risk-based thinking to prevent problems before they occur
- Create a framework for continual improvement and customer satisfaction

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

ISO 14001 – Environmental Management System

Purpose of the training:
This training provides participants with a clear understanding of the standard's requirements, guidance on implementation and continual improvement of the EMS, and practical tools to support everyday operations.

Training Program Highlights

1. Introduction to Environmental Management Systems
   - History and significance of environmental standards.
   - High Level Structure – common framework for ISO standards.
   - Objectives and basic principles of ISO 14001:2015.
2. Key Requirements of ISO 14001:2015
   - Scope and definitions.
   - Organizational context and interested parties.
   - Leadership and the role of management.
   - Planning: risks and opportunities.
   - Environmental aspects and compliance obligations.
   - Environmental objectives and action plans.
3. Implementing the System
   - Competence, awareness, and communication.
   - Operational control of processes, products, and services.
   - Emergency preparedness and response.
4. Performance Evaluation and Improvement
   - Monitoring, measurement, and reporting.
   - Internal audits and management review.
   - Corrective actions and continual improvement.
5. Summary and best practice examples.

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

ISO 45001 – Occupational Health and Safety

Purpose of the training:
The purpose of this training is to minimize occupational risks, improve working conditions, and foster a safety culture within organizations. This training provides knowledge on the structure of the standard, practical implementation methods, and integration with other management systems.

Training Program Highlights

- High Level Structure and the structure of ISO 45001:2018
- The PDCA cycle in the Occupational Health and Safety Management System
- Requirements of ISO 45001:2018 – overview of the clauses
- Integration of ISO 45001 with other management systems (ISO 9001, ISO 14001)
- The organization's context in the field of OHS
- Expectations of employees and interested parties
- The role of leadership and management commitment
- Employee consultation and participation in OHSMS
- Managing risks and opportunities in occupational safety
- Setting OHS objectives and monitoring their achievement
- Documented information in OHSMS
- Planning and implementation of operational activities
- Incident response and corrective actions

Benefits:

- Improved safety and health protection for employees, reducing the risk of accidents and absenteeism.
- Increased trust from customers, business partners, and regulatory authorities.
- Better compliance with legal requirements and stakeholder expectations.

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Integrated Management System according to ISO 9001, ISO 14001, ISO 45001

Purpose of the training:
This training provides participants with a clear understanding of the requirements of each standard, their synergies, and how they can be applied in practice to create one coherent management system.

Training Program Highlights

- High Level Structure (HLS) – the foundation of integration.
- Process approach and risk-based thinking.
- PDCA cycle.
- ISO 9001:2015 – Quality Management System requirements.
- ISO 14001:2015 – Environmental Management System requirements.
- ISO 45001:2018 – Occupational Health & Safety Management System requirements.
- Links, overlaps, and differences between the three standards.
- Practical approach to integrating management systems.

Benefits:

- Understand the structure and intent of ISO 9001, ISO 14001, and ISO 45001,
- Learn how to identify common requirements and differences between the standards,
- Gain practical knowledge on integrating the three systems in daily operations,
- Build confidence in applying standards to real business processes,
- Strengthen competencies to support the company's integrated system.

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Auditing the Integrated Management System (ISO 9001, ISO 14001, ISO 45001)

Purpose of the training:
To equip participants with the knowledge and practical skills required to plan, conduct, and report internal audits of an Integrated Management System according to ISO 9001, ISO 14001, and ISO 45001 and learn how to use audits not only as a compliance tool, but also as a driver for continual improvement, risk reduction, and stronger organizational performance.

Training Program Highlights

- Overview of standards based on the High-Level Structure (HLS).
- Review of requirements:
  - ISO 9001:2015 – Quality Management System basics,
  - ISO 14001:2015 – Environmental Management System,
  - ISO 45001:2018 – Occupational Health & Safety Management System.
- Links and differences between the standards.
- Auditing in line with ISO 19011:
  - terminology – glossary of basic terms,
  - principles of auditing.
- Audit program planning:
  - frequency, criteria, scope,
  - auditing methods,
  - auditor selection and qualification.
- Organizing and conducting an audit:
  - preparation,
  - auditing techniques,
  - identifying nonconformities,
  - documenting and reporting.
- Effective communication during audits.
- Post-audit activities.
- Auditor competence and evaluation.
- Practical tips for auditors – how to conduct an effective internal audit.
- Practical exercises

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

ESG Reporting in Practice

Purpose of the training:
The training “ESG Reporting in Practice” has been designed to present, in a clear and practical way, how to prepare an organization for reporting, what standards and guidelines apply, and how to create reports that not only meet formal requirements but also support growth and strengthen the company’s reputation.

Training Program Highlights

Day 1. Introduction to ESG: sustainability – benefits and challenges for organizations

- ESG – definition and origins.
- Sustainable Development Goals (SDGs).
- Designing actions aligned with specific SDGs.
- The role of enterprises in implementing the EU sustainability strategy.
- ESG regulations (CSRD, CSDD, Taxonomy, NFRD).
- Non-financial reporting – who is affected and when.
- Financing sustainable development.
- Challenges and benefits of ESG reporting.
- Standards and guidelines for non-financial reporting.
- Tools supporting sustainability management.

Day 2. Workshops: ESG reporting – organizational and strategic level actions

- Preparing the organizational structure.
- Defining the purpose and audience of the report – stakeholder mapping, assessing their influence, and planning engagement.
- Double materiality analysis.
- ESG diagnosis and development of an ESG strategy, strategic goals, and KPIs.
- Data aggregation.
- Preparing the report - ESG reporting in line with ESRS standards: content development using selected indicators, best practices.
- Internal and external assessment of the report.

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

Building Quality Culture based on ISO 9001 and ISO 10010

Purpose of the training:
The training “ESG Reporting in Practice” has been designed to present, in a clear and practical way, how to prepare an organization for reporting, what standards and guidelines apply, and how to create reports that not only meet formal requirements but also support growth and strengthen the company’s reputation.

Training Program Highlights

- What is quality culture – definitions and real-life examples.
- Quality culture in the context of ISO 9001:2015.
- ISO 10010:2022 – guidelines for improving quality culture.
- The role of leadership and employee involvement.
- Key factors influencing quality culture (communication, competence, awareness, motivation).
- Models and methods for assessing quality culture (diagnostic tools).
- Common barriers and challenges in building quality culture.
- Best practices in quality culture across industries.
- Integrating quality culture with ISO 9001 management system.
- Action plan – sustaining and improving quality culture long-term.

Benefits:

- Increased employee engagement and accountability for quality.
- Stronger alignment between ISO 9001 requirements and daily business practices.
- Reduced risks related to lack of quality awareness.
- Competitive advantage through a culture of continuous improvement.
- Positive impact on audit results and customer perception.

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

IATF 16949 for Leadership

Purpose of the training:
to deepen leaders' understanding of IATF 16949 standard. This enables them to lead quality initiatives effectively and incorporate this standard into strategic decision-making processes. At the same time this training prepares the leadership to take responsibility for Quality Management System.

Training Program Highlights

- Overview of IATF 16949: Gaining insights into core requirements and their significance for leaders.
- Key Leadership Responsibilities: Defining the roles of leadership within the IATF framework.
- Strategic Integration: Practical guidance on embedding IATF requirements into strategic planning.
- Case Studies: Real-world examples of successful requirements implementation regarding leadership.

Benefits

- Comprehensive Knowledge: A thorough understanding of IATF 16949 standards from a leadership perspective.
- Actionable Tools: Practical techniques to ensure compliance and drive continuous improvement.
- Leadership Impact: Improved ability to spearhead quality-focused initiatives within the organization.

Training duration: 1 day x 8 training hours

Related articles:
Leadership Responsibilities in IATF 16949 – Ensuring QMS Effectiveness
Management review effective and without mistakes

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

IATF 16949 for HR

Purpose of the training:
This training aims to equip HR professionals with the knowledge necessary to integrate IATF 16949 standards into HR functions. By doing so, HR can effectively contribute to the organization's quality objectives, ensuring that all personnel are competent and aligned with the company's commitment to quality.

Training Program Highlights

- Introduction to IATF 16949:2016
  - What is IATF 16949 and why is it critical in the automotive industry?
  - Key differences from ISO 9001
  - Where HR fits into the automotive QMS framework
- Process Approach & Risk-Based Thinking in HR
  - Understanding HR as a process within the QMS
  - Applying risk-based thinking to HR activities (e.g. hiring, onboarding, training gaps)
  - Identifying HR-related risks to product and process quality
- Role of HR in Quality Management
  - HR's impact on compliance, audit readiness, and supplier development
  - Supporting operations through people systems aligned with quality goals
  - HR as a partner in driving customer satisfaction and continual improvement
- Competence, Awareness, and Training
  - How to define, evaluate, and develop employee competence
  - Setting training effectiveness criteria (beyond attendance sheets)
  - Creating awareness of policy, objectives, and the consequences of nonconformance
- Documentation and Record-Keeping
- Continuous Improvement & Employee Engagement

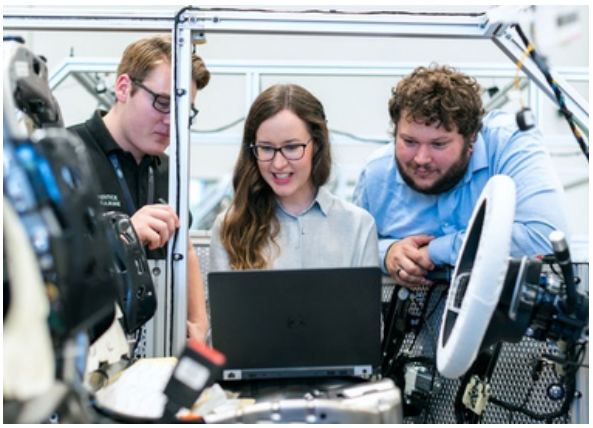
Training duration:
1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

IATF 16949 for Engineers



Purpose of the training:
This training aims to equip engineers with the skills and knowledge needed to implement IATF 16949 effectively. By understanding core quality tools and risk management techniques, engineers will be able to enhance product quality, reduce defects, and ensure compliance with automotive industry standards.

Training Program Highlights

- Introduction to IATF 16949.
- Overview of the standard and its significance in engineering processes.
- The role of engineers in the new launch process, including requirements that must be met to move from pre-series to series,
- Core Quality Tools for Engineers
- Process Design and Risk Management.
- Implementing process controls and preventive actions.
- Identifying and mitigating risks in engineering processes.
- Control Plan and FMEA documentation.
- Problem-Solving Techniques.
- Root cause analysis and corrective action strategies.
- Continuous Improvement and Compliance.

Benefits

- In-depth understanding of IATF 16949 requirements and their practical application.
- Enhanced ability to use core quality tools for process improvement.
- Improved problem-solving and risk assessment skills.
- Increased confidence in implementing engineering best practices for compliance.

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

IATF 16949 for Purchasing

Purpose of the training:
The purchasing process in automotive organizations plays a crucial role in ensuring the quality of final products. The proper selection, evaluation, and control of suppliers directly influence process stability and risk reduction across the entire supply chain. The IATF 16949 standard puts strong emphasis on purchasing activities, requiring companies to demonstrate robust processes and evidence of supplier oversight.

Training Program Highlights

1. Introduction
   - History of quality management standards in the automotive industry,
   - The role of supplier selection in the project phase
   - Customer Specific Requirements in the supply chain
2. General IATF 1694 requirements for the purchasing process
   - process approach,
   - risk based-thinking,
   - internal and external factors,
   - process goals and monitoring,
   - control of documented information.
3. Specific IATF 16949 requirements related to purchasing
   - supplier selection and qualification,
   - communication of requirements to suppliers,
   - supplier monitoring,
   - supplier development
   - second-party audits,
   - oversight of new product launches,
   - continuous improvement.
4. Practical workshops
   - Developing a turtle diagram for the purchasing process,
   - Identifying requirements and their impact on purchasing,
   - How to manage suppliers on regular basis,
   - Developing a supplier audit schedule.

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

IATF 16949 for Laboratory

Purpose of the training:
During this training, participants will gain insight into both the general requirements of the standard for laboratories as well as specific points related to measurement resources, competence, supplier oversight, and handling of nonconformities. The training is interactive and based on real case studies from automotive practice.

Training Program Highlights

- History of quality management standards in the automotive industry.
- The role of internal and external laboratory in QMS.
- General IATF 16949 requirements regarding laboratories, including:
  - process approach,
  - risk based-thinking
  - internal and external factors,
  - process goals and monitoring,
  - control of documented information.
- Specific IATF 16949 requirements for internal laboratories – selected clauses explained with case studies:
  - measurement resources,
  - laboratory scope and requirements,
  - competences,
  - cooperation between internal and external laboratories,
  - control of externally provided processes, products, and services,
  - control of nonconforming outputs,
  - continuous improvement.
- How to prepare laboratory for customer and certification audits.

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

IATF 16949 for Logistics

Purpose of the training:
Logistics in the automotive industry is not only about planning deliveries and meeting deadlines. It is also a critical part of the quality management system, directly influencing customer satisfaction, the risk of complaints, and compliance with IATF 16949 requirements.

Training Program Highlights

1. History of automotive quality management standards.
   - From QS-9000 to IATF 16949:2016 – development of quality requirements.
   - The role and importance of logistics in the quality system.
2. General IATF 16949:2016 requirements for logistics processes, including:
   - process approach,
   - risk-based thinking
   - internal and external factors,
   - process monitoring,
   - control of documented information,
   - customer specific requirements.
3. Specific IATF 16949 requirements for logistics, including:
   - planning and control of material flow,
   - warehouse and inventory management,
   - batch traceability and identification,
   - internal and external logistics,
   - planning and control of transport,
   - logistics audits,
   - nonconformity management,
   - contingency planning (e.g., delays, shortages),
   - continuous improvement.
4. Practical exercises:
   - Developing a turtle diagram for the logistics process.
   - Risk analysis in logistics and ways to minimize them.
   - Identifying critical points in the material flow.
   - Preparing a simple contingency plan for the logistics area.

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

QMS specialist in automotive

Purpose of the training:
to enhance the effectiveness of the QMS within automotive companies by eliminating ineffective or inefficient practices among people responsible for quality management. It focuses participants on system mechanisms which are crucial for the whole system and present in every QMS process.

Training Program Highlights

- Introduction to Quality Management Systems.
- Organizational context and the scope of the QMS.
- Risk-Based Thinking.
- Process Approach to Management.
- Role of the QMS Representative: key duties and responsibilities.
- Building quality awareness within the organization.
- Internal and External Audits.
- Management Reviews.
- Monitoring and evaluating QMS effectiveness.
- Implementing improvement actions.
- Communication and Interpersonal Skills.

Benefits

- Enhanced understanding of automotive quality standards and QMS implementation.
- Ability to recognize main tasks for QMS and manage them effectively.
- Proficiency in risk assessment and developing mitigation plans.
- Strengthened compliance with automotive industry standards and regulatory requirements.
- Cultivation of a culture focused on continuous improvement and proactive quality management.

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

ISO/IEC 17025:2017 Awareness training

Purpose of the training:

- Familiarization with the requirements for laboratories according to ISO/IEC 17025:2017 to demonstrate that the laboratory is competent and can generate valid results.
- Presentation of system elements that define the substantive activity of laboratories, as well as management, administration and technical activity.

Training Program Highlights

- General and structural requirements for the Management System.
- Resource requirements: Equipment, Staff competence, Objects and environmental conditions.
- Access to equipment, calibration and ability to obtain correct results.
- Traceability to SI standards/other appropriate references.
- Process requirements:
- Selection, verification and validation of methods appropriate for laboratory activities; sampling and handling of items.
- Quality Assurance of Results - Assessment of Uncertainty.
- Reporting results, requirements for test reports.
- Supervision of data and information.
- Documentation management for ISO/IEC 17025:2017: Policies and objectives; procedures, specifications; work instructions; Forms and templates, other technical documents.
- Actions against risk (threats and opportunities).
- Links between ISO 17025 and ISO 9001:2015

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

ISO/IEC 27001 – Information Security Management System

Purpose of the training:
Familiarize participants with the requirements of ISO/IEC 27001 regarding the establishment, implementation, maintenance, and continual improvement of an Information Security Management System (ISMS). Participants will learn how to identify risks, implement effective controls, and manage information security in practice to meet legal requirements (including GDPR), customer expectations, and industry standards.

Training Program Highlights

- Introduction to Information Security Management
- Structure and requirements of ISO/IEC 27001
- Key concepts: confidentiality, integrity, availability
- Risk assessment and treatment – methods and practical approach
- Information security policy and its implementation
- Annex A controls – overview and practical application
- Roles and responsibilities in the ISMS
- Internal and external audit of ISO/IEC 27001
- Most common implementation pitfalls and how to avoid them
- Continual improvement and integration with other management systems (ISO 9001, IATF 16949)

Benefits:

- Ability to identify, evaluate, and manage information security risks
- Implementation of an effective information security management system
- Reduced risk of data breaches and operational disruptions
- Increased customer and partner trust
- Stronger company image as a secure and reliable business partner
- Support in preparation for ISO/IEC 27001 certification

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

TISAX Assessment according to VDA ISA

Purpose of the training:

- Understand the structure and requirements of TISAX and VDA ISA.
- Prepare the organization for a successful TISAX assessment.
- Gain practical skills in identifying risks and gaps in the information security system.
- Learn how to integrate TISAX with ISO/IEC 27001 and quality management systems (IATF 16949).

Training Program Highlights:

- Introduction to TISAX – background, purpose, and relevance in the automotive industry
- Structure of the VDA ISA catalog
- Information security assessment domains
- Maturity levels – requirements and interpretation
- Relation of TISAX to ISO/IEC 27001 and other standards
- Preparing the organization for a TISAX audit: documentation and required evidence, risk analysis and action planning
- TISAX assessment process – step by step
- Common nonconformities and best practices to avoid them
- Integration of TISAX with quality management systems (IATF 16949)

Benefits:

- Knowledge of TISAX and VDA ISA requirements used by OEMs and suppliers.
- Ability to assess the organization's information security system.
- Practical insights into documentation, risk analysis, and corrective actions.
- Protection of key data and organizational know-how.
- Fulfillment of automotive customer requirements.
- Increased credibility as a trusted business partner.

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

MMOG/LE – Logistics self-assessment

Purpose of the training:
MMOG/LE is an industry-standard tool developed by AIAG and Odette to assess and enhance supply chain management processes. This training provides participants with the knowledge and skills to effectively conduct MMOG/LE self-assessments, aiming to improve logistics efficiency, accuracy, and overall supply chain performance.

Training Program Highlights

- Introduction to MMOG/LE: History, purpose, and benefits.
- Structure and content of the MMOG/LE assessment tool.
- Navigating and completing the self-assessment process.
- Interpreting assessment results and identifying gaps.
- Developing and implementing action plans for continuous improvement.
- Understanding customer-specific requirements and expectations.
- Best practices for achieving and maintaining world-class supply chain management standards.

Benefits:

- Improved supply chain efficiency and effectiveness.
- Reduction in operational costs, inventory levels, and waste.
- Enhanced compliance with industry standards and customer expectations.
- Strengthened relationships with customers and suppliers.
- Increased competitiveness and market reputation.

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Internal auditor in the automotive industry

Purpose of the training:

- Systematization of knowledge on the requirements of IATF 16949:2016 with elements of the ISO 9001:2015 standard.
- Sharing practical knowledge how to plan and supervise the internal audit program
- Sharing practical knowledge how to conduct internal audits according to ISO 19011:2018 guidelines.

Training Program Highlights

- Characteristics of automotive standards. Genesis and development.
- Process approach and the requirements of IATF 16949:2016.
- General characteristics of IATF 16949 requirements.
- The requirements of the ISO 9001:2015 standard and the IATF 16949:2016 standard.
- Customer specific requirements in relation to the audit.
- Audits and auditing in accordance with the requirements of IATF 16949:2016. Audit of the system, product, process: scopes, criteria, differences and similarities.
- Audits and auditing according to the requirements of ISO 19011:
- Audit program planning: frequency, criteria, audit scope, audit methods, selection and qualification of auditors.
- Organization and conduct of the audit: preparation, auditing techniques, finding non-conformities, documenting audits, reporting.
- Post-audit activities.
- Automotive core tools required for auditors.

Training duration: 3 days x 8 training hours

Related articles:

Internal auditor in the automotive industry – competences

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Advanced workshop for internal auditor in the automotive industry

Purpose of the training:
The workshop aims to enhance the competencies of internal auditors by providing hands-on experience and a structured approach to auditing in compliance with automotive industry standards. Participants will gain a deeper understanding of auditing methodologies, core quality tools, and customer-specific requirements, improving their ability to identify and mitigate quality risks.

Training Program Highlights

- Main IATF 16949:2016 requirements overview regarding auditing.
- Process Audits Based on Process Types.
- Auditing During the Project Phase.
- Assessing Core Quality Tools in Audits.
- Common Non-Conformities in Audits.
- Audit Case Studies and Practical Exercises:
  - Analyzing audit scenarios based on real industry examples.
- Identifying and addressing non-conformities.
- Effective Audit Reporting and Follow-Up Actions.
- Linking VDA 6.3 with IATF 16949:2016.

Benefits

- Advanced knowledge of automotive audit standards and their application
- Improved skills in identifying, analyzing, and addressing audit findings
- Stronger compliance with IATF 16949 and customer-specific requirements
- Increased efficiency and accuracy in audit execution

Training duration: 2 days x 8 training hours

Related articles:
Audit – do not look for nonconformities!

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Requirements for auditors based on ISO 19011:2018

Purpose of the training:

- Learning about the requirements for auditing resulting from the Quality Management System in the automotive industry.
- Sharing practical knowledge in the field of managing the internal audit program in accordance with the ISO 19011:2018.
- Sharing practical knowledge on how to conduct audits according to the ISO 19011:2018.

Training Program Highlights

- Discussion of the requirements for auditing resulting from the ISO 9001:2015 and IATF 16949:2016.
- Audits and auditing in accordance with the requirements of IATF 16949:2016. Audit of the system, product, process: scopes, criteria, differences and similarities.
- Audits and auditing according to the requirements of ISO 19011:
- Auditing rules.
- Audit program management: frequency, criteria, audit scope, audit methods, selection and qualification of auditors.
- Conducting an audit: preparation, auditing techniques, stating nonconformities, documenting audits, reporting.
- Auditor competencies.

Training duration: 1 day x 8 training hours

Related articles:

IATF auditor 's hints – before they will audit you!

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

VDA 6.3
Process auditor

Purpose of the training:
Getting competences in conducting process audits based on the requirements of the VDA 6.3 manual, including:

- Audit planning, execution, closing
- Conducting supplier potential analysis for selecting new suppliers;
- Familiarizing participants from companies audited by clients with the VDA 6.3 audit principles in order to optimally prepare for and participate in audits.

Training Program Highlights

- General principles/recommendations for auditing resulting from the ISO 19011 standard
- Process Approach - principles and considerations when planning and implementing the audit
- VDA 6.3 audit planning:
  - with a new supplier - based on the Potential Analysis (P1)
  - full process audit (P2-P7)
- Audit implementation:
  - asking questions using the Question Catalogue
  - evidence collection (ISO 19011)
  - preparing records and asking questions in case of ambiguous situations and doubts
- Response ratings – for Potential Analysis and P2-P7. Questions of particular importance. Downgrading rules.
- Audit reporting
- Post-audit activities and continuous improvement.

Training duration: 2 days x 8 training hours

Related articles:
VDA 6.3 – changes in process audit requirements

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

VDA 6.5
Product audit

Purpose of the training:

- Presentation of the interpretation requirements of the book VDA 6.5,
- Providing knowledge about how to prepare and plan an audit program and product audit itself,
- Providing knowledge on how to conduct a product audit,
- Correct assessment of the audit and planning of corrective actions.

Training Program Highlights

- Presentation of the VDA 6.5 standard,
- IATF 16949 and ISO 19011 requirements for product audit,
- Audit program planning,
- Audit planning,
- Conducting an audit,
- Reporting and planning corrective actions,
- Post-audit activities and evaluation,
- Audit closing.

Benefits:

- During the training, the participant will learn:
- What are the requirements of the VDA 6.5 standard,
- How a product audit is conducted.
- How to properly create an audit program, planning execution and reporting.

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

VDA 6.7 Process Auditor for Production Equipment

Purpose of the training:

- Understand the purpose and structure of VDA 6.7.
- Gain the skills to plan and perform process audits for production equipment.
- Learn how to evaluate compliance and prepare audit reports.
- Recognize common nonconformities and risk areas.

Training Program Highlights

1. Introduction to VDA 6.7
   - Purpose and scope of the guideline
   - Relationship with other VDA standards (e.g., VDA 6.3)
   - Role of equipment audits in the automotive supply chain
2. Requirements and structure of VDA 6.7
   - The audit questionnaire – main topics and areas of evaluation
   - Assessment criteria and scoring system
   - Documentation and records
3. Planning an audit
   - Preparing the audit plan and scope
   - Selecting equipment and processes to be audited
   - Competence requirements for auditors
4. Conducting the audit
   - Interview and observation techniques
   - Assessing condition and management of tools, molds, devices
   - Typical findings and risk indicators
5. Reporting and follow-up
   - Preparing audit reports
   - Classification of results
   - Defining corrective and preventive actions
6. Practical workshop
7. Wrap-up and discussion

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

VDA 6.8
Supply Chain Process Audit

Purpose of the training:

- Presentation of the interpretation requirements of the book VDA 6.5,
- Providing knowledge about how to prepare and plan an audit program and product audit itself,
- Providing knowledge on how to conduct a product audit,
- Correct assessment of the audit and planning of corrective actions.

Training Program Highlights

- Introduction to process audits in the automotive industry.
- Structure and requirements of the VDA 6.8 guideline.
- Methodology of conducting supply chain process audits.
- Links between VDA 6.8, VDA 6.3, IATF 16949, and OEM requirements.
- Question catalogue interpretation
- Assessment of Individual Questions
- Degradation riles, overall assessment
- Risk assessment and identification of improvement potentials at suppliers.
- Documentation and reporting of audit results.
- Discussion of the VDA Analysis Report Tools
- Practical exercises – case studies, example audit reports.
- Recommendations for corrective and improvement actions.

Benefits:

- Stronger control over the supply chain.
- Reduced risks related to quality issues and delivery delays.
- Building transparent, partnership-based relationships with suppliers.
- Increased compliance with OEM and industry requirements.
- Ability to plan and perform process audits according to VDA 6.8.

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Layered Process Audit based on CQI-8

Purpose of the training:

- Understanding the idea of layered audit in accordance with AIAG CQI-8.
- Presenting LPA as an effective tool for improving production processes based on the compliance assessment of the production process with the requirements.
- To increase management involvement.
- To raise awareness of employees' impact on productivity, quality results, safety and work environment.

Training Program Highlights

- Auditing requirements in the automotive industry
- Automotive OEM customer requirements for layered audits
- Introduction to layered audits
- Typical steps for developing and implementing layered audits
- Planning layered audits
- Audit procedure – Who? What? How?
- Implementing a layered audit – how to do it?
- Conducting a layered audit
- Managing the layered audit process
- Reviewing the results of layered audits,
- Improving the layered audit process.
- The role of top management in the process of planning and implementing layered audits.
- AIAG (American Industry Action Group) guidelines for the automotive industry – CQI 8.

Training duration: 2 days x 8 training hours

Related articles:

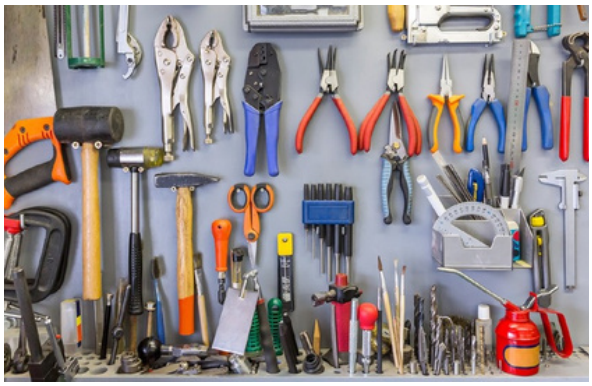
Layered Process Audit in the Automotive Industry

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Core tools acc. to AIAG- an overview



Purpose of the training:
Review of the requirements of AIAG reference manuals: APQP, FMEA, SPC, MSA, PPAP in the context of effective audits in the automotive industry.

Training Program Highlights

Advanced Product Quality Planning (APQP):

- that are the project phases,
- documentation of requirements in individual phases of the project,
- requirements for the control plan,
- linking the process flow diagram, FMEA and Control Plan - consistency of documents and the most important mistakes.

Production Part Approval Process (PPAP):

- overview of required documents,
- when to submit PPAP,
- PPAP submission levels.

Failure Mode and Effects Analysis (FMEA):

- FMEA for product (DFMEA) and process (PFMEA)
- formulation of functions, requirements, defects, causes and effects of defects, identification of control measures in the production process, distinction between detection and prevention,
- discussion of Severity, Occurrence, Detection and RPN - Risk Priority Number,
- improvement actions and risk assessment strategies.

Statistical Process Control (SPC):

- basic assumptions of Statistical Process Control of Production (SPC),
- basic statistical concepts - capability, stability, average, standard deviation,
- interpretation of process capability indicators Cp, Cpk, Pp, Ppk.

Measurement System Analysis (MSA):

- guidelines for numerical and attribute analysis - basic requirements,
- %GRR for the numerical control system,
- Kappa for the attribute control system.

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

APQP–PPAP according to AIAG

Purpose of the training:

- Presentation of the context of requirements for project management and approval of products and processes for serial production in the quality management system according to ISO 9001 and IATF 16949.
- Presentation of the requirements of the APQP (Advanced Product Quality Planning) manual.
- Presentation of the principles of PPAP (Production Part Approval Process) manual.

Training Program Highlights

- Basic principles of the quality management system in the automotive industry - sources of requirements, discussion: the requirement of ISO 9001, IATF 16949, key quality methods, the so-called core tools, specific customer requirements, so-called CSR (Customer Specific Requirements), Quality management system requirements in accordance with ISO 9001 and IATF 16949 regarding design and development,
- Assumptions of the Advanced Product Quality Planning (APQP) methodology
- Discussion of the individual stages of APQP with mandatory elements
- Characteristics of the basic tools related to the individual stages of APQP
- PPAP - discussion of the most important issues: when to submit the PPAP to the client, PPAP levels, required documents, approval levels, the most common mistakes in using PPAP.

Training duration: 2 days x 8 training hours

Related articles:

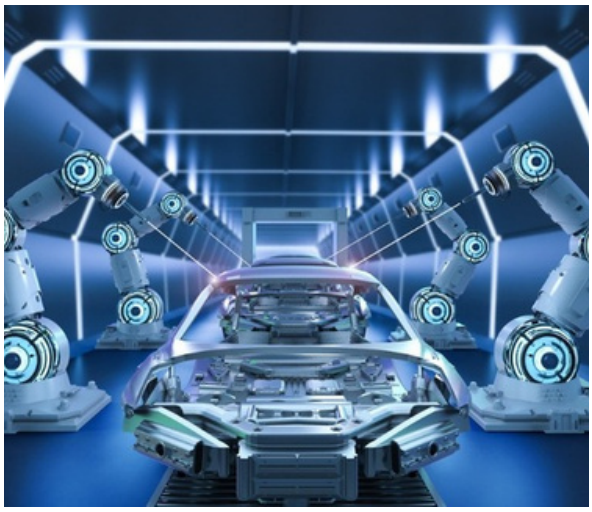
APQP – project management in the automotive industry

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

APQP ed.2024 according to AIAG



Purpose of the training:

- Presentation of the context of requirements for project management according to ISO 9001 and IATF 16949.
- Presentation of product implementation projects for serial production according to the APQP (Advanced Product Quality Planning) manual.
- Presentation of the changes from 2nd edition to 3rd edition in 2024.

Training Program Highlights

- Basic principles of the quality management system in the automotive industry - sources of requirements, discussion: the requirement of ISO 9001, IATF 16949, key quality methods, the so-called core tools, specific customer requirements, so-called CSR (Customer Specific Requirements), Quality management system requirements in accordance with ISO 9001 and IATF 16949 regarding design and development,
- Assumptions of the Advanced Product Quality Planning (APQP) methodology
- Discussion of the individual stages of APQP with mandatory elements
- Characteristics of the basic tools related to the individual stages of APQP like Gate checklists and APQP 11 checklists.
- **Practical workshop during the traning: project simulation.**

Training duration: 2 days x 8 training hours

Related articles:

APQP – project management in the automotive industry
Core tools – why they are so important?

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

PPAP according to AIAG

Purpose of the training:

- Presentation of the context of requirements for project management and approval of products and processes for serial production in the quality management system according to ISO 9001 and IATF 16949.
- Presentation of the principles of cooperation with customers and suppliers in the field of approving deliveries according to the PPAP

Training Program Highlights

- Basic principles of the quality management system in the automotive industry – sources of requirements, discussion: the requirement of ISO 9001, IATF 16949, key quality methods – core tools, CSR (Customer Specific Requirements), Quality management system requirements in accordance with ISO 9001 and IATF 16949 regarding design and development,
- PPAP linkage to the Advanced Product Quality Planning (APQP) methodology
- PPAP – discussion of the most important issues:
- when to submit the PPAP to the client,
- what are the levels of PPAP submission,
- PPAP submission levels vs. required documents,
- PPAP approval levels,
- how long should the completed PPAP be archived,
- what are the most common errors in using PPAP.

Training duration: 1 day x 8 training hours

Related articles:

PPAP – Key Process for Quality Assurance in the Automotive Industry

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

FMEA according to AIAG-VDA

Purpose of the training:

- Obtaining the ability to perform FMEA analyzes according to reference manual AIAG & VDA 1st Edition 2019.
- Gaining knowledge about the basic principles of the organization of the 7 steps of the FMEA execution process.

Training Program Highlights

- Introduction to the new approach to risk analysis
- Purpose and scope of the FMEA
- Roles and members of the team
- 5T – intention, team, time, tasks, tool
- DFMEA / PFMEA analysis according to 7 steps : planning and preparation (“5T” rule), structure analysis, function analysis, failure analysis, risk analysis, optimization (risk reduction), documenting the results.
- Documentation of the analysis in a graphical form (Structure Tree, Function Tree, Failure Tree, location of actions for prevention and detection control.
- Tools supporting the analysis of structure, functions and defects: diagram B, diagram P.
- Discussion of the evaluation table related to action priority AP
- Input data to the Control Plan

Training duration: 2 days x 8 training hours

Related articles:
FMEA in IATF 16949:2016
Failure chain in FMEA

Training details

Call us: +48 603 880 578
E-mail: contact@qualitywise.pl

Control Plan according to AIAG

Purpose of the training:
This training aims to equip quality professionals with the knowledge and skills necessary to develop and implement control plans that comply with the latest AIAG standards. Participants will learn how to create control plans that effectively monitor and control product and process variations, ensuring consistent quality and customer satisfaction.

Training Program Highlights

- Introduction to Control Plans.
- Overview of the 2024 AIAG Control Plan Manual updates.
- Structure and Components of a Control Plan.
- Understanding the relationship between control plans and other core tools.
- Types of Control Plans depending on phases.
- Tailoring control plans to specific project stages.
- Developing Effective Control Plans.
- Implementing and Monitoring Control Plans.
- Case Studies and Practical Exercises.

Benefits

- Comprehensive understanding of the 2024 AIAG Control Plan requirements.
- Enhanced ability to develop, implement, and maintain effective control plans.
- Improved skills in identifying critical characteristics and establishing appropriate controls.
- Practical experience through case studies and exercises.

Training duration: 2 days x 8 training hours

Related article:
Control plan

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

FMEA-FCH-CP documentation

Purpose of the training:
This training aims to provide participants with a structured approach to developing and maintaining FMEA, FCH, and CP documentation. By understanding the relationships between these tools, attendees will be better equipped to enhance risk management, process control, and product quality in their organizations.

Training Program Highlights

- Introduction to Risk Management in the Automotive Industry
  - Importance of FMEA, FCH, and CP in quality management
  - Regulatory and customer-specific requirements
- Failure Mode and Effects Analysis (FMEA)
  - Structure and methodology of AIAG-VDA FMEA
  - Developing Design FMEA (DFMEA) and Process FMEA (PFMEA)
- Flow Chart (FCH) Documentation
  - Understanding critical functional characteristics in product and process design
- Control Plan (CP) Development
  - Aligning CP with FMEA and FCH for consistency
  - Structure of Prototype, Pre-Launch, and Production Control Plans
  - Defining control methods, reaction plans, and special characteristics
- Integration of FMEA, FCH, and CP in Quality Management
- Workshop and Case Studies

Benefits

- Stronger compliance with AIAG-VDA FMEA and AIAG Control Plan
- Enhanced consistency in quality documentation across departments
- Increased efficiency and reliability in production processes

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

VDA 2
PPF Process

Purpose of the training:
This training equips participants with a practical understanding of the VDA 2 PPF process, enabling them to efficiently manage product and process approvals. By mastering PPF requirements, companies can ensure a seamless transition from development to serial production while meeting customer expectations.

Training Program Highlights

- Fundamentals of VDA 2 – PPF Process
- Introduction to the PPF Process
- Purpose and scope of VDA 2
- Differences between PPF and AIAG PPAP
- Steps in the PPF Process
- When PPF is required and applicable triggers
- Levels of submission and documentation requirements
- Planning and Preparing PPF Documentation
- Step-by-step execution of the PPF process
- Understanding customer-specific requirements
- Handling Deviations and Re-Submissions
- Managing non-conformities and corrective actions
- Communication with customers and suppliers

Benefits

- Comprehensive understanding of the VDA 2 PPF process
- Increased compliance with German automotive industry standards
- More efficient product launch and approval processes
- Stronger collaboration with OEMs and suppliers
- Reduced risk of delays and non-conformances in production

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

VDA MLA – Maturity Level Assurance

Purpose of the training:
The VDA MLA is a standardized approach to manage and control new product and process development projects. This method focuses on achieving sustainable improvements in the quality of supplied parts by ensuring process-accompanying assurance of product maturity at the start of production.

Training Program Highlights

- The context of project management in the automotive industry
- Introduction to the VDA MLA: background, objectives and benefits
- Communication between customer and supplier in connection with product risk classification
- Detailed explanation of the maturity level method, including assessment, content, control and reporting systems
- Methods and foundations for ensuring the maturity level.
- Risk classification A/B/C – criteria and assessment
- Overview of the requirements of the ML0-ML7 maturity levels and its application in the supply chain
- Application of the measurement criteria at different maturity levels
- Identification and management of typical conflicts of interest in project development

Benefits

- Implementation of a structured and standardized approach to project management, leading to higher product quality and reliability.
- Enhanced cooperation and communication within complex product engineering projects involving multiple supply chain participants.
- Early identification and mitigation of project risks, resulting in reduced development time and costs.

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

SPC according to AIAG

Purpose of the training:

- Presentation of the statistical process control and measurement systems analysis in the requirements of a quality management system in accordance with ISO 9001 and IATF 16949.
- Presentation of SPC and MSA principles both in relation to measurable and alternative characteristics.
- Analysis and interpretation of SPC and MSA results.

Training Program Highlights

- Basic statistical analysis of data (statistical description of variability).
- Sources of variation, random and systematic causes of variability, the concept of a stable (under control) and unstable (out of control) process.
- Statistical determination and interpretation of descriptive parameters, histogram construction and data distribution.
- Calculation and interpretation of process capability indicators (Cp, Cpk, Pp, Ppk).
- Shewhart process control charts for measurable and attribute characteristics.
- Practical exercises.

Benefits:

- What are the requirements of QMS in relation to SPC method.
- What are the benefits of using SPC for organizations.
- How statistical analysis of process data is performed.
- Practical use of SPC – selection of appropriate tools, principles of determination and interpretation.

Training duration: 2 days x 8 training hours

Related articles:
Control Charts

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

SPC-MSA according to AIAG

Purpose of the training:

- Presentation of the statistical process control and measurement systems analysis in the requirements of a quality management system in accordance with ISO 9001 and IATF 16949.
- Presentation of SPC and MSA principles both in relation to measurable and alternative characteristics.
- Analysis and interpretation of SPC and MSA results.

Training Program Highlights

SPC:

- Basic statistical analysis of data (statistical description of variability).
- Sources of variation, random and systematic causes of variability, the concept of a stable (under control) and unstable (out of control) process.
- Statistical determination and interpretation of descriptive parameters, histogram construction and data distribution.
- Calculation and interpretation of process capability indicators (Cp, Cpk, Pp, Ppk).
- Shewhart process control charts for measurable and attribute characteristics.

MSA:

- Variation for a measurement process from instrument (EV), from operator (AV), from process i.e. part-to-part (PV), total variation (TV).
- Explanation of terms i.e. measurement error/uncertainty, precision, accuracy, resolution.
- Capability of measurement systems according to procedure 1, determination and interpretation of Cg, Cgk coefficients.
- Methods of assessing the measurement system with the influence of the operator and the instrument - procedure 2.
- Methods of evaluating the measurement system without the influence of the operator - procedure 3.
- Assessment of the capability of measurement systems for attributive characteristics

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

MSA according to AIAG

Purpose of the training:

- Presentation of measurement systems analysis in the requirements of a quality management system in accordance with ISO 9001 and IATF 16949.
- Presentation of MSA principles both in relation to measurable and alternative characteristics.
- Analysis and interpretation of MSA results.

Training Program Highlights

- Variation for a measurement process from instrument (EV), from operator (AV), from process i.e. part-to-part (PV), total variation (TV).
- Explanation of terms i.e. measurement error/uncertainty, precision, accuracy, resolution.
- Capability of measurement systems according to procedure 1, determination and interpretation of Cg, Cgk coefficients.
- Methods of assessing the measurement system with the influence of the operator and the instrument - procedure 2.
- Methods of evaluating the measurement system without the influence of the operator - procedure 3.
- Assessment of the capability of measurement systems for attributive characteristics
- Practical exercises.

Benefits:

- What are the requirements of QMS in relation to MSA methods.
- How to “prepare” for the use of control of measurement devices – what is the uncertainty of measurements in MSA.
- Practical use of MSA - principles of determination and interpretation.

Training duration: 2 days x 8 training hours

Related articles:

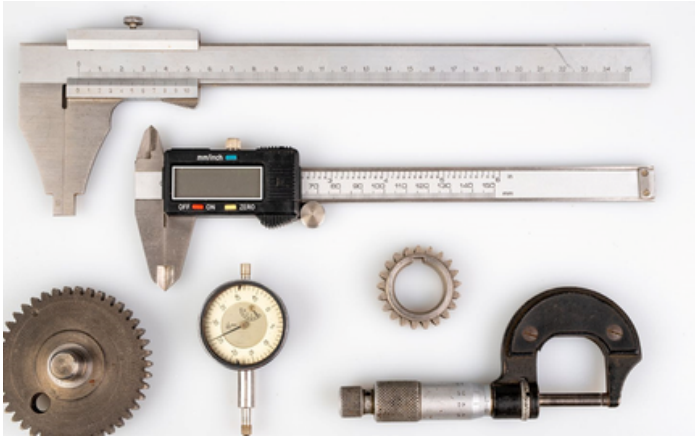
MSA – a comprehensive overview based on AIAG and VDA 5 standards

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

VDA 5 – Capability of Measurement Processes



Purpose of the training:
Presentation of the statistical process cThe goal is to provide participants with the knowledge and tools necessary to independently carry out capability analyses of measurement processes in line with VDA-5 requirements and to prepare organizations for compliance with OEM and system audit expectations.

Training Program Highlights

Day 1 – Fundamentals and Methodology

- Introduction to VDA-5 and its importance in the automotive industry
- Basics of measurement uncertainty
- Defining qualification criteria for measurement processes and systems based on uncertainty analysis
- Methods for Type A and Type B uncertainty evaluation
- Building the uncertainty budget and calculating expanded uncertainty
- Capability indices Cg and Cgk

Day 2 – Applications and Implementation

- Analysis of measurement system capability
- Conformity assessment and decision rules
- Qualification of measurement processes for attribute data
- Qualification with reference values
- Special processes and validation of measurement software
- Audit preparation: The most common nonconformities and how to avoid them.
- Practical exercises.

Benefits:

- Understanding VDA-5 methods: uncertainty, budget, capability ratios,
- Reliable and consistent measurement results,
- Better preparation for OEM and IATF 16949 audits,
- Improved process monitoring and earlier detection of potential issues.

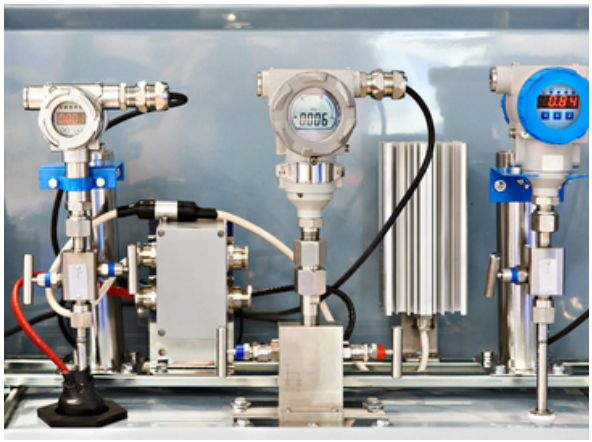
Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Management of Measuring Equipment



Purpose of the training:
Effective and compliant management of measuring equipment in line with legal requirements and international standards. Participants will learn how to implement a consistent process of supervision over measuring instruments, how to interpret normative requirements, and how to ensure reliability and repeatability of measurement results.

Training Program Highlights

- Legal requirements, directives, and standards (ISO 9001:2015, ISO 10012, ISO/IEC 17025, etc.)
- Terminology and concepts used in measurement equipment management
- Identification and classification of measuring equipment
- Principles of ensuring measurement traceability
- Organization of supervision over equipment: schedules, responsibilities, documentation, calibration
- The role of measuring equipment management in the quality management system
- Organization of inspection processes: internal vs. external service providers
- IT support for measurement equipment management
- Conformity assessment of measuring instruments with specifications
- Understanding and practical application of measurement uncertainty
- Auditing measurement management systems

Benefits:

- Understanding of methods for conformity assessment and use of measurement uncertainty in practice
- Reduced risk of complaints and errors caused by inadequate measurement control
- Cost optimization through better organization of calibration, verification, and documentation processes

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Calibration of Length and Angle Measuring Instruments

Purpose of the training:

- Understand basic normative requirements for calibration and equipment management.
- Learn terminology and metrological characteristics of length and angle instruments.
- Acquire practical skills in interpreting calibration certificates, conformity assessment, and instrument selection.
- Gain hands-on experience in calibration and adjustment.

Training Program Highlights

- Standards and requirements: ISO 9001:2015, ISO 10012:2004, ISO/IEC 17025, ISO 14253 family, technical standards.
- Metrological terminology: calibration, verification, validation, metrological characteristics.
- Guidelines: international guidelines for calibration.
- Measurement traceability: ensuring measurement consistency within the organization.
- Technical issues: classification, design, use of measuring instruments; best practices.
- Procedures and documentation: required procedures, instructions, and forms.
- Measurement uncertainty: introduction to estimating uncertainty in calibration.
- Calibration certificates: analysis and conformity assessment.
- Requirements and selection of instruments: how to define requirements and select equipment for processes.
- Managing measuring equipment in a modern enterprise
- Laboratory organization: good metrology practice, personnel, competence, equipment.
- Practical training (for onsite courses): calibration and adjustment of instruments such as calipers, micrometers, dial gauges, squares, protractors, gauges (to be defined).

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Length and Angle Measurements

Purpose of the training:
Provide participants with theoretical knowledge and practical skills in the field of metrology of length and angle. The course covers normative foundations as well as hands-on measurement techniques, ensuring that participants can select, use, and document measuring equipment effectively.

Training Program Highlights

- Metrology and its role in quality management systems
- Basics of legal metrology (including the Polish Law on Measures)
- Overview of international standards: ISO 9001 and its sector-specific variants (aerospace, automotive, railway...), ISO 10012, ISO/IEC 17025, ISO 14978, ISO 14253 family of standards, harmonization of measurement uncertainty evaluation according to EA-4/02
- Ensuring measurement traceability in length and angle measurements
- Sources of measurement errors and methods of reducing them
- Introduction to measurement uncertainty: accuracy, error, and uncertainty of measurement
- Fundamentals of performing measurements, measurement methods
- Ways of expressing and documenting measurement results
- Selection of measuring equipment for measurement processes based on specifications
- Dimensioning and tolerancing – basics
- GPS and GD&T – Geometrical Product Specification and Tolerancing
- Tools for measuring length and angle: classification, operation, proper measurement practices
- Practical exercises in length and angle measurement: distances, diameters, radii, heights, angles
- Solving customer-specific measurement problems (case studies)

Training duration: 2 days x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Measurement uncertainty according to ISO and VDA 5

Purpose of the training:
To provide practical understanding of how to manage measurement equipment and how to calculate, document, and interpret measurement uncertainty. Participants will learn how to develop calibration schedules, maintain traceability, build uncertainty budgets, and make compliance decisions in accordance with ISO, EA, and VDA 5 requirements.

Training Program Highlights

- The role of measurement equipment management in the quality system.
- Current terms and definitions related to metrology and measurement uncertainty (VIM dictionary, ISO 14253-1).
- Review of key guides: PKN-ISO/IEC Guide 98-1:2021-06, JCGM 100:2008, EA-4/02 M:2022.
- Measurement errors and their sources, the measurement equation.
- Probability distributions in uncertainty estimation.
- Uncertainty budget according to EA-4/02 and ISO 14253-2.
- Methods of estimating measurement uncertainty:
- Expanded uncertainty.
- Conformity assessment based on PN-EN ISO 14253-1:2018-02E, ISO/IEC Guide 98-4, ILAC-G8:09/2019.
- Workshops – preparing uncertainty budgets and estimating uncertainty in practical examples.

Benefits:

- Ability to create, analyze, and document uncertainty budgets.
- Understanding of type A and type B methods of uncertainty estimation.
- Familiarity with ISO, EA, and VDA guidelines applied in practice.
- Confidence in reporting measurement results during audits and customer evaluations.

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Effective problem solving based on CQI-20

Purpose of the training:

- Complete problem root cause analysis and generating effective solutions,
- Teaching a practical approach to solving problems based on applied methodologies and good practices in the field of quality management,
- Defining phases and optimizing the problem-solving process.

Training Program Highlights

- PDCA principle and steps to solve/prevent problems,
- Responsibility for problem-solving activities at various levels of the organization,
- Organizational leadership and strategic planning for effective problem solving,
- Comprehensive problem solving process according to 8D approach,
- Problem identification, Establish the team, Contain symptoms, Root cause analysis, Corrective actions, Preventive actions, Recognize team success,
- Correct application of matrix-based problem solving tools (tool/process phase),
- Use of tools and checklists to define correctly:
  - problem
  - corrections
  - defects
  - root cause
  - corrective actions
  - preventive actions.

Training duration: 2 days x 8 training hours

Related articles:
Problem solving

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Basic quality tools in problem solving

Purpose of the training:
This training aims to provide participants with a structured approach to problem-solving using basic quality tools. By applying these techniques, attendees will improve their ability to analyze problems, identify root causes, and implement effective solutions that prevent recurrence.

Training Program Highlights

- Introduction to Quality Tools and Their Importance in Problem-Solving
- The role of structured problem-solving in quality management
- Overview of common quality issues in manufacturing and services
- The 7 Basic Quality Tools
- Applying Quality Tools in a Structured Problem-Solving Process
- Integrating tools into methodologies like PDCA (Plan-Do-Check-Act) and 8D
- Hands-On Workshop: Solving Real Problems Using Quality Tools
- Participants apply tools to a simulated or real company issue
- Sustaining Improvements and Preventing Recurrence
- Implementing corrective and preventive actions
- Ensuring long-term process stability through continuous improvement

Benefits

- Understanding and applying key problem-solving tools
- Ability to analyze and resolve quality issues systematically
- Practical experience through real-world case studies and exercises
- Improved decision-making and process improvement skills

Training duration: 2 days x 8 training hours

Related articles:
Problem solving

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

Human error analysis in problem solving

Purpose of the training:
This training aims to enhance participants' ability to analyze human errors systematically and apply structured problem-solving techniques. By identifying root causes and implementing effective preventive measures, organizations can improve quality, reduce defects, and enhance overall process reliability.

Training Program Highlights

- Introduction to Human Error in Problem-Solving
- The impact of human errors on quality, safety, and productivity
- Common misconceptions about human errors
- Types and Classifications of Human Errors
- Human Error Root Cause Analysis (HERCA)
- Identifying error-prone processes and conditions
- Understanding cognitive load, fatigue, and workplace distractions
- Problem-Solving Tools for Human Error Analysis
- Developing Sustainable Corrective and Preventive Actions
- Behavior-based interventions to minimize errors
- Process redesign and automation for error reduction
- Workshop and Case Studies

Benefits

- Improved understanding of human error and its root causes
- Reduction in defects and process deviations caused by human error
- Improved safety, compliance, and process reliability
- More effective corrective actions that prevent recurrence
- Strengthened culture of continuous improvement and proactive problem-solving

Training duration: 1 day x 8 training hours

Related articles:
Problem solving

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

8D report in problem solving

Purpose of the training:
o equip participants with the knowledge and skills to apply the 8D methodology effectively, ensuring thorough problem resolution and process improvement.

Training Program Highlights

- Introduction to 8D and Its Industry Relevance
- Step-by-Step Breakdown of the 8D Process:
- D1: Establishing the problem-solving team
- D2: Defining the problem
- D3: Implementing interim containment actions
- D4: Identifying the root cause (5 Whys, Fishbone Diagram)
- D5: Defining and validating permanent corrective actions
- D6: Implementing corrective actions and verifying effectiveness
- D7: Preventing recurrence (FMEA, process control updates)
- D8: Recognizing team efforts and documenting lessons learned
- Final Exercise: Applying 8D to a real-world scenario

Benefits

- Improved problem-solving capabilities using a structured method
- Enhanced ability to conduct root cause analysis and corrective actions
- Practical experience in managing 8D reports

Training duration: 1 day x 8 training hours

Related articles:
Problem Solving Methods – Review of 8D, QRQC and A3

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

QRQC in problem solving

Purpose of the training:
To provide participants with a structured and fast-response method for identifying, analyzing, and solving quality issues effectively with QRQC appraoch.

Training Program Highlights

- Introduction to QRQC: Key principles and benefits
- Step 1: Problem Detection and Immediate Containment
- Step 2: Understanding the Root Cause (Gemba Walk, 5 Whys, Ishikawa Diagram)
- Step 3: Defining and Implementing Corrective Actions
- Step 4: Preventing Recurrence and Integrating QRQC into Daily Operations
- QRQC Management Routines: Standardization and Reporting
- Final Exercise: Applying QRQC to a real case scenario

Benefits

- Enhanced ability to respond to quality issues quickly
- Improved skills in immediate containment and root cause analysis
- Increased confidence in managing on-the-spot problem-solving

Training duration: 1 day x 8 training hours

Related articles:
Problem Solving Methods – Review of 8D, QRQC and A3

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

A3
in problem solving

Purpose of the training:
To enable participants to use the A3 methodology for problem-solving and continuous improvement in their organizations.

Training Program Highlights

- Introduction to the A3 Approach: History and Benefits
- The Structure of an A3 Report
- Problem Statement
- Current State Analysis
- Root Cause Identification
- Defining Countermeasures and Corrective Actions
- Testing and Implementing Solutions (PDCA Cycle)
- Standardizing and Preventing Recurrence
- Final Presentation: Participants Develop and Present Their A3 Reports

Benefits

- Mastery of a structured and visual problem-solving approach
- Improved ability to analyze and communicate complex issues clearly
- Practical experience in developing and presenting A3 reports

Training duration: 1 day x 8 training hours

Related articles:
Problem Solving Methods – Review of 8D, QRQC and A3

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Error & Mistake Proofing - Effective management against errors

Purpose of the training:

- Showing the importance of error-proofing in processes
- Transferring knowledge about error-proofing solutions in processes
- Indicating tools supporting the identification and use of error-proofing.

Training Program Highlights

- The essence of error-proofing
- Terminology used and differences in interpretations: IATF, AIAG, VDA
- Error-proofing and building a quality culture
- Error-proofing in the context of quality management and IATF requirements
- Review of various error-proofing techniques and methods
- Implementation of error-proofing in the organization at various stages of the product life cycle
- Documentation of error-proofing solutions
- Error-proofing and problem solving
- Summary

Benefits

- Understanding the concept and meaning of error-proofing and quality management system according to IATF 16949requirement
- Learning which tools support work with error-proofing
- Strengthening the organizational culture by promoting awareness of prevention errors in the context of quality management.

Training duration: 2 days x 8 training hours

Related articles:

Error proofing or mistake proofing?

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Customer Specific Requirements (different OEMs)

Purpose of the training:
This training equips participants with the knowledge and skills required to understand, implement, and manage Customer-Specific Requirements effectively. By ensuring compliance, companies can strengthen their relationships with OEMs, improve product quality, and reduce the risk of non-conformance penalties.

Training Program Highlights vary depending on training dedicated to specific OEM:

- CSR VW
- CSR Porsche
- CSR Audi
- CSR VOLVO
- CSR MERCEDES
- CSR BMW
- CSR PSA
- CSR FCA
- CSR RENAULT/NISSAN
- CSR FORD
- CSR GM
- CSR JLR

Benefits:

- Comprehensive understanding of Customer-Specific Requirements and their significance.
- Ability to implement CSRs effectively within an organization's QMS.
- Improved skills in auditing and assessing compliance.
- Stronger compliance with OEM requirements, reducing the risk of penalties or loss of business.
- Improved supplier performance and product quality.

Training duration:
1 or 2 days (8 training hours) depending on specific OEM.

Related articles:
Customer satisfaction – quality management system foundation

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

Change Management

Purpose of the training:

- Understanding the idea of Change Management Process.
- Presentation of the requirements for Products and Processes Change Management (in house and including Sub-Tier Suppliers).
- Presentation of alignment to ISO 9001 and IATF 16949 requirements of Change Management.

Training Program Highlights

- What is Change Management.
- ISO 9001 and IATF 16949 requirements of Change Management .
- Presentation of typical responsibilities for activities in Change Management Process.
- Types of Engineering Change - Design or Process.
- Product Lifecycle Management Process (Change Curve).
- Engineering Change Requests, Orders & Notifications.
- Design documentation based on external standards
- Risk management in Change Management.
- Alignment of APQP & PPAP to validate Engineering Changes.
- Presentation of typical Change Management Process example.

Training duration:
1 day x 8 training hours

Related articles:
Implementing Change Management

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Supplier Management based on AIAG CQI-19

Purpose of the training:

- Presentation of the context of requirements for Supplier Management of Sub-Tiers - Minimum quality requirements including guidance of identification and control of Pass Through Characteristics.
- Presentation of alignment to ISO 9001 and IATF 16949 requirements of Sub-Tier Management

Training Program Highlights

- Quality Management System requirements in automotive industry regarding Supplier Management
- Pre-selection Phase:
  - Definition of Part Requirements,
  - Supplier Pre-Qualification,
  - Supplier Assessments.
- Selection Phase:
  - Supplier Technical Capability,
  - Awarding Business.
- APQP/PPAP Phase:
  - Initiating APQP,
  - PPAP Activity,
  - Implementation of Control Plans.
  - Supplier Management in serial production:
  - Performance Monitoring,
  - Development,
  - Escalation.

Training duration: 2 days x 8 training hours

Related articles:

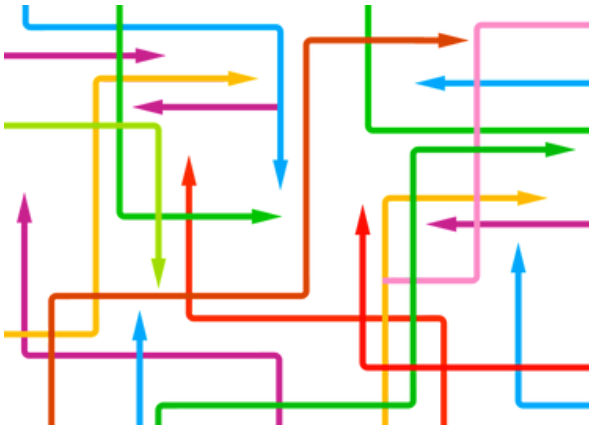
Supplier management – How to work with suppliers in the automotive

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Effective process approach implementation and execution



Purpose of the training:
To provide participants with the skills and knowledge required to implement a process approach effectively, ensuring compliance with QMS standards while optimizing business performance.
Training especially dedicated to process owners and QMS specialists.

Training Program Highlights

- Introduction to the Process Approach in Quality Management
- Key principles and benefits of a process-driven organization
- ISO 9001 and IATF 16949 requirements for process-based thinking
- Identifying and Defining Business Processes
- Process Mapping and Documentation
- Techniques for process visualization
- Best practices for documenting procedures and work instructions
- Process Performance Measurement and Monitoring
- Establishing Key Performance Indicators (KPIs)
- Data collection and analysis for process improvement
- Risk-Based Thinking in Process Management
- Sustaining and Improving Processes
- Best practices for auditing and optimizing processes
- Workshop: Applying the Process Approach in Real Scenarios

Training duration:
1 day x 8 training hours

Related articles:
Process – how to design it to manage it effectively
Processes – what is not discussed and is extremely important

Training details

Call us: +48 603 880 578
E-mail: contact@qualitywise.pl

Balanced scorecard

Purpose of the training:

- Understanding the principles of functioning of an effective comprehensive strategy management tool – Balanced Scorecard.
- Gaining unique competences in the implementation of the enterprise strategy assessment methodology based on the Balanced Scorecard and Key Success Indicators (KPIs).

Training Program Highlights

- Measuring efficiency and management in the information age.
- Why does a company need a strategic scorecard?
- How to measure strategy implementation?
- Financial perspective.
- Customer perspective.
- Internal processes perspective.
- Development perspective.
- Linking metrics to the company's strategy.
- Structure and strategy.
- Managing strategy implementation.
- Achieving strategic goal convergence From the highest to the lowest level of the organization.
- Specific goals and resource allocation.
- Monitoring strategy implementation.
- Implementing a management system based on a strategic scorecard.

Training duration: 2 days x 8 training hours

Related articles:

Balanced scorecard – strategic management tool in a favour of quality

Process Monitoring – Process Management with Use of Indicators

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Effective risk management

Purpose of the training:
To equip participants with the necessary tools and methodologies to identify, assess, and mitigate risks systematically, ensuring business resilience, compliance, and continuous improvement.

Training Program Highlights

- Introduction to Risk Management Principles
- Definitions, concepts, and importance of proactive risk management
- Overview of ISO 31000 and industry-specific requirements (IATF 16949, FMEA)
- Risk Identification and Assessment
- Techniques for identifying risks in processes, products, and supply chains
- Qualitative vs. quantitative risk assessment methods
- Failure Mode and Effects Analysis (FMEA) for Risk Evaluation
- Risk prioritization using Severity, Occurrence, and Detection ratings
- Developing and Implementing Risk Control Measures
- Preventive vs. corrective actions in risk mitigation
- Implementing error-proofing (Poka-Yoke) strategies
- Risk Communication and Decision-Making
- Sustaining and Improving Risk Management Systems
- Integrating risk management into daily operations (PDCA, auditing)
- Continuous improvement and lessons learned from risk events
- Workshop: Practical Risk Assessment Exercise

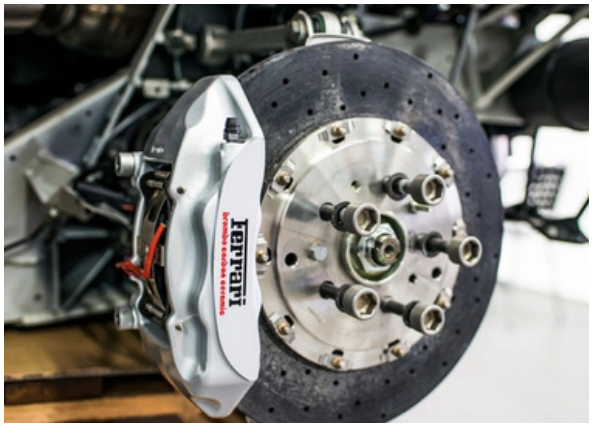
Training duration:
1 day x 8 training hours

Related articles:
Risk management framework – how to understand it

Training details

Call us: +48 603 880 578
E-mail: contact@qualitywise.pl

Effective complaint management



Purpose of the training:
To provide participants with a structured approach to managing customer complaints effectively, ensuring timely resolution, continuous improvement, and enhanced customer satisfaction.

Training Program Highlights

- Introduction to Complaint Management
- Importance of an effective complaint handling process
- Industry standards and regulatory requirements (ISO 10002, IATF 16949)
- The Complaint Handling Process
- Root Cause Analysis in Complaint Resolution
- Applying problem-solving tools (5 Whys, Ishikawa Diagram)
- Identifying systemic issues leading to complaints
- Implementing Corrective and Preventive Actions
- Using the 8D methodology for structured complaint resolution
- Developing sustainable corrective actions to prevent recurrence
- Monitoring, Reporting, and Learning from Complaints
- KPI tracking and complaint performance measurement
- Integrating lessons learned into quality management and product development
- Case studies of successful complaint resolution strategies

Training duration:
1 day x 8 training hours

Related articles:
Customer complaint –what shall we do?

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Warranty management based on AIAG CQI-14

Purpose of the training:
thorough understanding of the CQI-14 guidelines and equip participants with practical skills to develop and manage effective warranty processes. By adopting a consumer-centric approach, organizations can enhance customer satisfaction, reduce warranty-related costs, and drive continuous improvement.

Training Program Highlights

- Overview of Warranty Management in the Automotive Industry
- Understanding the CQI-14 Guideline
- Establishing the Baseline (Phase 1)
- Consumer Event and Leadership Activities (Phase 2)
  - Aligning warranty strategies with organizational goals.
- Proactive Prevention (Phase 3)
  - Utilizing quality tools such as FMEA and root cause analysis.
- Implementing Lessons Learned (Phase 4)
  - Establishing feedback loops from warranty data to product development.
- Containing Warranty Issues (Phase 5)
  - Effective claims management and processing.
- Preventing Future Warranty Events (Phase 6)
  - Developing robust corrective and preventive actions.
- Continual Improvement (Phase 7)
  - Establishing metrics and KPIs for warranty performance.

Training duration:
1 day x 8 training hours

Related articles:
Warranty Management - the idea, process and QMS requirements
Warranty management - Legal Requirements

Training details

Call us: +48 603 880 578
E-mail: contact@qualitywise.pl

Special characteristics management

Purpose of the training:
To equip participants with the knowledge and skills to effectively manage special characteristics, ensuring process stability, risk reduction, and compliance with industry and customer requirements.

Training Program Highlights

- Introduction to Special Characteristics
- Industry standards and customer-specific requirements (IATF 16949, AIAG, VDA)
- Identification and Classification of Special Characteristics
- Linking special characteristics with risk assessment tools (DFMEA, PFMEA)
- Defining and Documenting Special Characteristics
- Integration with engineering specifications, process controls plans
- Establishing traceability and documentation best practices
- Process Control and Measurement Methods
- Selection of appropriate control and inspection techniques
- Using Statistical Process Control (SPC) and Measurement System Analysis (MSA)
- Implementing Special Characteristics in Production
- Linking special characteristics to work instructions and operator training
- Error-proofing (Poka-Yoke) techniques for robust process control
- Sustaining and Improving Special Characteristics Management

Auditing and continuous improvement strategies

Training duration:
1 day x 8 training hours

Related articles:
Understanding Special Characteristics

Training details

Call us: +48 603 880 578 E-mail: contact@qualitywise.pl

Product integrity responsibilities in automotive

Purpose of the training:
To equip participants with the knowledge and tools necessary to uphold product integrity in the automotive industry, ensuring products meet safety and conformity standards as per VDA guidelines.

Training Program Highlights

- Introduction to Product Integrity.
- Definition and significance in the automotive sector.
- Overview of VDA's "Product Integrity" manual and its objectives.
- Product Safety and Conformity.
- Differentiating between product safety and product conformity.
- Understanding legal obligations and industry standards.
- Organizational Structures for Product Integrity.
- Establishing roles and responsibilities.
- Integrating product integrity into corporate culture and processes.
- Risk Management and Preventive Actions.
- Identifying potential product risks.
- Applying preventive measures and controls.
- Product Compliance Systems (PCS).
- Developing and managing a PCS in line with VDA guidelines.
- Ensuring continuous monitoring and improvement.

Training duration:
1 day x 8 training hours

Related articles:
Statutory and regulatory requirements in IATF 16949

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Training Within Industry

Purpose of the training:

- Presentation of the context of requirements for Training Within Industry (TWI) – How to train workers and trainers.
- Presentation of alignment to Quality Management System according to ISO 9001 and IATF 16949 requirements to demonstrate competency of the workforce.

Training Program Highlights

Part 1:

- Standard Operations:
  - Analysis (SOA),
  - Procedure (SOP),
  - Flow (SOF),
- Elimination of waste:
  - Muda (無駄),
  - Mura (斑),
  - Muri (無理),
- Relationship between the 3M's
- Test of understanding.

Part 2:

- How to train the trainer.
- Learning Styles.
- 3 Step method.
- Test of understanding.

Training duration:

Part 1 – 1 day x 8 training hours
Part 2 – 1 day x 8 training hours

Related articles:

Training Within Industry

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Technical Cleanliness based on VDA 19 Standards

Purpose of the training:

- Presentation of VDA 19.1 and VDA 19.2 standards,
- Gaining knowledge for designing cleanliness analyses in accordance with VDA 19 requirements.
- **On demand, there is possibility to split the training into VDA 19.1 and VDA 19.2 separately.**

Training Program Highlights

- Presentation of the VDA 19.1 and VDA 19.2 standards,
- Implementation of the standard in the organization,
- VDA vs IATF 16949 requirements,
- Correct documentation of technical cleanliness,
- Technical cleanliness specifications,
- Cleanliness classes,
- Laboratory procedures,
- Methods of analysis and control:
- Sample preparation
- Cleanliness audits
- Work instructions
- Documenting tests and their results.

Benefits:

- During the training, the participant will learn:
- What are the requirements of the VDA 19 standard,
- How to manage technical cleanliness from the practice,
- How to plan and maintain cleanliness, taking into account the influence of the environment.

Training duration: 2 days x 8 training hours

Related articles:

Technical Cleanliness based on VDA 19 Standards

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

VDA FFA– Field Failure Analysis

Purpose of the training:
VDA FFA – Field Failure Analysis is a methodology for analyzing failures occurring in the field, i.e. after the product has been delivered to the customer (OEM, service, end user). The purpose of VDA FFA is a structured and systematic approach to analyzing failures that occur after the product has been put into service.

Training Program Highlights

- Introduction to VDA FFA: Purpose, scope, and benefits of Field Failure Analysis.
- Planning the FFA Process:
  - Establishing procedures, resources, and performance indicators for effective failure analysis.
- Part Analysis Techniques:
  - Conducting standard tests, complaint evaluations, and load tests to identify failure modes.
- No Trouble Found (NTF) Process:
  - Strategies for handling cases where no fault is initially detected, including data collection, system tests, and process studies.
- Problem-Solving Process:
  - Applying structured problem-solving methodologies to address identified issues and implement corrective actions.
- Reporting and Information Exchange:
  - Documenting findings, communicating results, and ensuring knowledge transfer within the organization.

Benefits:

- Improved product reliability and customer satisfaction through systematic failure analysis.
- Reduction in warranty costs and field failures.
- Enhanced ability to meet customer requirements.
- Strengthened processes for continuous improvement and risk management.
- Increased competitiveness in the market through higher quality standards.

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

VDA RPP – Robust Production Process

Purpose of the training:
VDA RPP focuses on minimizing risks within the supply chain to ensure stable and reliable production processes. This training provides participants with the knowledge and tools necessary to implement RPP principles, aiming to enhance product quality and process efficiency throughout the production lifecycle.

Training Program Highlights

- Introduction to VDA RPP:
  - Overview of the RPP framework and its significance in the automotive industry.
- Risk Identification and Assessment:
  - Techniques for detecting potential risks in production processes and evaluating their impact.
- Process Stability and Capability:
  - Methods to achieve and maintain stable production processes with consistent output quality.
- Implementation Strategies:
  - Steps to integrate RPP principles into existing quality management systems.
- Case Studies and Practical Applications

Benefits:

- Strengthened production processes leading to higher product reliability.
- Reduction in production-related risks and associated costs.
- Enhanced compliance with industry standards and customer requirements.
- Improved reputation for quality and reliability in the automotive market.
- Increased competitiveness through the adoption of best practices in production.

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

ESD – electrostatic discharges in an electronic environment

Purpose of the training:

- The participant will learn what threats and risks result from the ESD phenomenon.
- ESD based on the EN 61340-5-1, EN 61340-5-2 standards.

Training Program Highlights

- Terms, definitions and norms,
- How electrostatic charge is created,
- ESD Risks,
- ESD protection and EPA areas,
- ESD measurements,
- ESD audit and reporting,
- Regular staff training

Benefits:

During the training, the participant will learn:

- What are the guidelines of the ESD,
- Knowledge of concepts related to ESD in electronics and electrical engineering,
- How to properly conduct audits, measurements and prepare a report.

Training duration: 1 day x 8 training hours

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Homologation – Vehicle Type Approval

Purpose of the training:
The purpose of this training is to provide participants with a clear understanding of the vehicle type approval (homologation) process, its legal framework, and its practical application in the automotive industry.

Training Program Highlights:

- **basic concepts and definitions** (types of type approval/whole vehicle approval),
- requirements for the manufacturer,
- **legal basis:** overview of applicable laws and regulations regarding type approval, including EU and UN requirements,
- **type approval process:** explanation of the steps and procedures required to obtain type approval, including document submission, product testing, inspections, and the role of the type approval body in the process,
- **identification of authorized entities participating in type approval:** available type approval bodies; indication of the possibility of type approval in other EU countries (examples),
- **technical requirements:** overview of a sample regulation and standards,
- **documentation:** overview of the necessary documents attached to the type approval application, test reports, process documentation – how to complete them, where to find the forms,
- **type approval marking:** how to assign them, where to find guidelines resulting from the requirement to include the approval marking on the approved product,
- **quality control:** explaining the importance of implementing and maintaining quality control systems during the approval process to ensure compliance with requirements; CoP (Conformity of Production) audits,
- **extension of approval (PRODUCT CHANGE):** what is an extension of approval, when can it be requested, what documents must be submitted, when and at what stage of product changes,
- Summary: the most important information in a nutshell.

Training duration: 1 day x 8 training hours

Training details

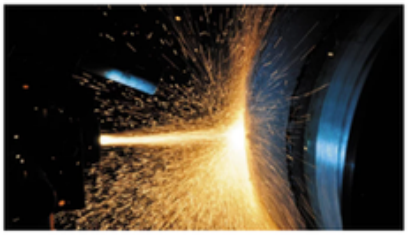
Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

CQI – Continuous Quality Improvement (Special Processes)

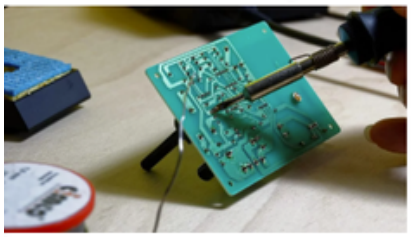
CQI-9 Heat treatment

CQI-11 Plating



CQI-12 Coating

CQI-15 Welding



CQI-17 Soldering

CQI-23 Injection moulding

CQI-27 Casting

CQI-30 Rubber processing

Training Program Highlights vary depending on specific CQI.

Benefits:

- Practical knowledge of CQI special process requirements
- Improved ability to assess and optimize production processes
- Enhanced problem-solving skills in process deviations and risk management
- Hands-on experience through case studies and real-world examples

Training duration:
1 or 2 days (8 training hours) depending on specific CQI.

Training details

Call us: +48 603 880 578

E-mail: contact@qualitywise.pl

Why do our Clients choose Qualitywise®?

Satisfied customers are our greatest asset.
We understand the pressures associated with OEM requirements, customer audits, and production constraints. Therefore, in every collaboration, we focus not only on compliance with requirements, but also on the actual development of competencies and quality within the organization.

What sets us apart:

- **Experienced automotive industry trainers** – Quality Managers, auditors, and leaders who have worked for global OEMs and Tier 1 companies.
- **Working on client examples** – we precede each program with a conversation and tailor the content and practical exercises to the specific needs of the organization.
- **Effectiveness confirmed by testimonials** – clients emphasize that working with Qualitywise® brings lasting results: fewer recurring issues, better communication between departments, and higher process efficiency.
- **We are partners, not just trainers** – after the training, we provide further support, coaching, and resources to help implement new practices in daily work.

SAINT-GOBAIN · IIIP · SOME · HL Mando · KIRCHHOFF AUTOMOTIVE
BORGWARNER · MAGNA · OCSiAl · synthos · SCPL Sohbi Craft Poland
OP mobility · TENNECO · cebi · MODINE · skeleton · CLARIOS
DIEHL Metering · DIEHL Controls · EXIDE TECHNOLOGIES · CNBOP-PIB · KORN CONSULT GROUP

See how QualityWise® can help you more:

AUDITING

**At Qualitywise, we don't just audit —
we help companies unlock their full potential.**

Our audits go beyond checklist reviews.
They provide insights, assurance, and real improvement opportunities.

How we can help your company:

- Internal & Supplier Audits – ensure compliance with **IATF 16949, ISO 9001, VDA 6.3, VDA 6.7, VDA 6.8, CQI** and customer-specific requirements.
- Process Audits – identify risks, bottlenecks, and opportunities for efficiency.
- Readiness & Gap Analyses – prepare your organization for customer audits and certification.
- Value-Adding Reports – clear findings with practical, actionable recommendations.
- Experienced Auditors – deep industry knowledge and a balance between compliance and daily operations.

Your benefits:

- Saved time and money to train full skilled automotive internal or supplier auditor.
- Detailed audit report that can be used to improve the quality management system and its processes
- Stronger supplier relationships
- Reduced risks
- Better preparation for OEM & customer audits
- Increased confidence in your processes and people

See how QualityWise® can help you more:

CONSULTING

At Qualitywise®, consulting means more than giving advice. We provide precise, practical, and tailored solutions that help your organization achieve lasting quality improvements.

It's not about generic advice. It's about:

- Diagnosis based on facts – analyzing data, processes, and standards to identify exact gaps and risks.
- Tailored solutions – recommendations aligned with your company's context, industry requirements, and customer expectations.
- Balance between compliance and practicality – ensuring solutions are both audit-proof and feasible in daily operations.
- Measurable results – every action is linked to performance improvement, risk reduction, or culture strengthening.

How we can help your company:

- System Implementation & Improvement – IATF 16949, ISO 9001, VDA standards.
- Core Tools Consulting – APQP, Control Plan, FMEA, MSA, SPC, PPAP.
- Supplier Development – risk-based thinking, audits, performance improvement.
- Change Management & Problem Solving – 8D, QRQC, A3, LPA, Gemba Kanri.
- Quality Culture Building – leadership coaching, KPIs, process approach.

Your benefits:

- Practical solutions tailored to your industry
- Reduced risks and faster implementation
- Stronger customer satisfaction and trust
- Sustainable quality culture and measurable results

Listen to QualityWise® PODCAST!

In each episode, hosts Agata Lewkowska Ph.D. and Christopher Scott - both experienced experts in automotive quality - discuss real-world challenges. They talk to quality managers, engineers, auditors, and production leaders. Together, they explore how to build and maintain strong Quality Management Systems. Their insights support compliance with IATF 16949, ISO 9001, VDA, and AIAG Core Tools.

This podcast isn't just about theory. Each episode brings real examples, industry stories, and proven practices. You'll get ideas and solutions you can apply right away (just click on the platform icon).

Be QualityWise.pl® with us!

Visit www.qualitywise.pl for the complete details.
For inquiries or concerns regarding quality management please e-mail: contact@qualitywise.pl or call: +48 603 880 578.

THANK YOU, AND WE LOOK FORWARD TO WORKING WITH YOU.