

Practical Applications of AI in Quality Engineering training

Purpose:

An intensive two-day training combining theory with practice in using artificial intelligence in daily work. During the training, participants will gain practical skills in using AI tools to optimize quality processes and automate routine tasks.

Agenda:

1. **Introduction to AI in Quality**
 - Large Language Models (LLM) operation
 - AI trends in industry
 - AI limitations and capabilities
2. **AI Tools and Effective Prompts**
 - Communication with AI and creating effective prompts
 - ChatGPT and Claude in quality engineer practice
 - Perplexity in technical research
 - AI response verification and validation
3. **Practical AI Applications in Quality Engineer Work**
 - Standards translation and interpretation
 - Documentation automation (procedures, instructions)
 - Customer and industry requirements analysis
 - Application in quality tools (e.g., 8D, FMEA, SPC, PPAP)
 - Support in audit preparation and execution
 - Dashboard creation
4. **AI and Soft Skills**
 - NVC communication supported by AI
 - Cultural context
 - AI journaling
5. **AI Automation Basics**
 - Introduction to Make and Zapier
 - Automation scenarios
6. **Information Security and Sensitive Data Protection**
 - Safe AI work principles
 - Sensitive data protection
 - AI security policy
 - Local Language Models (LLM)

Training addressees:

- Quality engineers
- Auditors
- Quality managers
- Quality specialists
- Quality project coordinators

Duration time:

2 days / 7 hours

Participant will learn:

- Practical use of AI tools (ChatGPT, Claude, Perplexity) in daily quality engineer work
- Creating effective prompts for quality analysis and reporting automation
- AI implementation in key quality tools (FMEA, 8D, SPC, PPAP, audits)
- Automatic generation and translation of technical documentation and procedures
- Creating dynamic AI-supported dashboards and knowledge bases
- Safe AI use while maintaining data confidentiality

Benefits for the company:

- Increased team productivity and quality process cost reduction through routine and repetitive task automation, and better risk and opportunity management
- More effective evidence-based decision making through AI-supported data analysis and process monitoring
- Documentation and report error minimization through automatic verification
- Building competitive advantage through innovative quality approach and continuous improvement
- Faster response to quality issues and shorter resolution time
- Audit process improvement
- Increased customer satisfaction through faster response and better expectation recognition

Price:

790 EUR for one participant

In case of 2 or more participants from the same plant offer **10% discount** on the second and all other participants.

The invoice due date will be 30 days from the invoice issue date. The invoices for the services will be issued after the service delivery.

Dates of training:

Online open training session available directly on website

Price includes:

- Training participation
- Training materials
- Certificate

For details related to in-house training sessions, please get in touch with office.

Duration:

2 days (each 7 hours)