Digital and artificial intelligence

AI Applied to QSE

Two days to help QSE teams save time on what occupies them most: writing, regulatory watch, analysis and audit preparation. Each use is worked on your own anonymised documents, with clear rules on the data that may be entrusted to an AI tool and on the checks expected before any management system document is issued.

Duration : 2 days

Objectives

1. Choose an AI tool suited to a QSE task and apply data confidentiality rules
2. Draft and update procedures and minutes with the help of AI while keeping control of the content
3. Organise an assisted regulatory watch and verify each source
4. Apply AI to risk analysis and root cause analysis, with a critical eye on its suggestions
5. Prepare an audit and carry out an assisted document review on anonymised documents

Programme

Day 1 — morning

• AI tools useful for QSE: conversational assistants, document search, transcription
• Confidentiality rules: personal data, customer data, manufacturing secrets
• Anonymising a document before submitting it to a tool
• What the auditor looks at: control of documented information remains that of your system

Day 1 — afternoon

• Drafting a procedure from a shop-floor work instruction or interview notes
• Harmonising a set of procedures: vocabulary, layout, cross-references
• Minutes of meetings, management reviews and site visits
• Exercise on a procedure from your site

Day 2 — morning

• Assisted regulatory watch: collection, summary, checking against the official source
• Assisted risk analysis: FMEA, occupational risk assessment, environmental aspects
• Root cause analysis of a nonconformity: 5 whys and Ishikawa, with the tool’s suggestions discussed by the team
• Typical AI errors on regulatory and standards texts

Day 2 — afternoon (workshop)

• Audit preparation: audit plan, checklists, questions by process
• Document review on your own anonymised documents: inconsistencies, broken references, obsolete versions
• Workshop: the QSE team’s work instruction for the use of AI
• Knowledge test and debrief

Teaching methods

• Exercises on your anonymised procedures, minutes and audit reports
• Comparison of the same analysis carried out without and then with assistance
• Cross-checking of AI outputs by a pair before approval
• Cases drawn from nonconformities and regulatory watch at industrial and agri-food sites
• Trainers who are QSE consultants and use these tools in their own assignments

Assessment and documents

Knowledge test at the end of the session, including an assisted document review exercise; end-of-course survey the next day. Numbered training certificate, verifiable online, for each participant; training report and the AI work instruction drafted in the workshop handed to the company.

Bilingual materials for every participant; each classroom course comes with its digital twin on OmniLearn.

Good to know

This course is part of the Augmented QSE Path, together with “Digitalisation of the Management System”. Participants who have never used an AI assistant will benefit from taking “Generative AI: Understand, Master and Apply It to Your Job” first.

Practical information

Duration	2 days
Group size	Groups of 6 to 12 participants, in-company
Format	In-company, face to face on your site
Language	French, Darija or English; bilingual materials
Funding	OFPPT special training contracts (TFP), GIAC, Maroc PME: we prepare the applications with you, at no extra cost.
Programme customisation	Programme adapted to your procedures, your equipment and your audience

Frequently asked questions

Can AI write our procedures for us?
It produces a first draft or harmonises existing texts, which saves time. The procedure remains the process owner’s: they check that it describes what is really done on the shop floor, then have it approved through your usual route.

Will a certification auditor accept documents written with AI?
Management system standards require controlled documented information, not a particular way of writing it. The auditor checks that the document is approved, up to date, applied and consistent with practice. That is why the course insists on review and approval.

Are our documents exposed during the course?
Documents are anonymised before the session: names of people, customers and suppliers, and sensitive formulas or parameters are removed. Participants learn to do the same in their daily work.

How does it differ from “Generative AI: Understand, Master and Apply It to Your Job”?
The generative AI course is for all departments and lays the foundations. This one assumes a QSE team and goes straight to the tasks of the job: procedures, watch, risk analysis, audit.