Operational excellence

Lean Six Sigma Yellow Belt

Two days to understand the DMAIC approach and become a useful member of a Lean Six Sigma project team. Customer voice, waste and variation come first, then the basic tools a Yellow Belt uses every day: SIPOC, process mapping, Pareto, Ishikawa and 5 whys. Exercises start from your own site's data and problems, and everyone leaves knowing what is expected of them on a project led by a Green Belt or a Black Belt.

Duration : 2 days

Objectives

1. Explain the five DMAIC phases and what each one delivers
2. Translate the voice of the customer into measurable characteristics of a product or service
3. Identify waste and sources of variation in a process on your site
4. Apply SIPOC, Pareto, Ishikawa and 5 whys to real data
5. Contribute to a project as a Yellow Belt: data collection, team analysis, implementation of solutions

Programme

Day 1 — morning

• Why Lean and Six Sigma go together: cutting losses and cutting variation

• Voice of the customer: turning a stated expectation into a measurable characteristic

• Waste in a workshop, a warehouse and an office

• Variation: why a correct average can hide non-conforming products

Day 1 — afternoon

• The DMAIC approach: Define, Measure, Analyze, Improve, Control, and the deliverables of each phase

• SIPOC: setting the boundaries of a process, its suppliers, inputs, outputs and customers

• Simple process mapping: steps, waiting, rework, repeat loops

• Exercise: SIPOC of a process on your site

Day 2 — morning

• Collecting useful data: check sheets, operational definitions, observation period

• Pareto chart: choosing the problem that weighs most

• Ishikawa and 5 whys: looking for causes before proposing solutions

• Exercise: Pareto of your site's scrap, stoppages or complaints

Day 2 — afternoon (workshop)

• The Yellow Belt's role in the team: what the Green Belt and the Black Belt expect

• Workshop: a DMAIC walk-through of a case from your site, from the problem statement to first actions

• Presentation of each sub-group's work and trainer feedback

• Knowledge test on the DMAIC approach and the basic tools

Teaching methods

• In-class simulation game that makes variation and its effect on the customer visible

• Exercises on your own data: scrap, complaints, stoppages, lead times

• Sub-group work mixing operators, technicians and supervisors

• Delivered in French, Darija or English depending on the teams

• A case from your site worked through from start to finish in the workshop

Assessment and documents

Knowledge test at the end of the session, end-of-course evaluation at D+1, numbered training certificate verifiable online and training report. The Afflatus Yellow Belt certification is validated on a project with quantified gains and recorded in the training passport.

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

Good to know

To lead a DMAIC project yourself, the next step is the « Lean Six Sigma Green Belt » course. To introduce the approach to all staff, the half-day « Lean Six Sigma White Belt — awareness » is enough.

Practical information

Duration	2 days
Prerequisites	No prerequisites
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

What is the difference between Yellow Belt and Green Belt?
A Yellow Belt contributes to a project: collecting data, taking part in the analysis and implementing solutions at their own workstation or in their department. A Green Belt leads the project from end to end, using statistical tools and quantifying the gains; that course lasts five days, plus a project carried out in the company.

Is any knowledge of statistics needed?
No. Yellow Belt tools rely on counts, simple charts and shop-floor observation. Statistical tests and capability studies belong to the Green Belt.

How is the Yellow Belt certification obtained?
It is an Afflatus certification: it is validated on a project with quantified gains, then recorded in the participant's training passport. The numbered training certificate, for its part, attests to attendance and the knowledge test.

Can operators attend this course?
Yes, it is aimed at them as much as at technicians. Examples come from their own workstations, and the course can be delivered in Darija for production teams.