



**LEAN
SIX SIGMA**
B E L G I U M

Training & Certification

Lean Management

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Lean Management – 2 days

Target audience

All sectors (industry and services)

- Project Managers / consultants (internal or external) in organization, quality, continuous improvement, or operational excellence
- Logistic Managers
- Supply Chain Managers
- Production Managers
- Operations Managers
- Quality Managers

Training Objectives

- Understand the philosophy, tools, and principles of Lean Management
- Assess the production capacity, wastage of resources and delivery times of a production unit, a flow of activities or an organization
- Draw up a process map based on field observations in order to describe and communicate the reality of operations
- Analyse a process in order to locate and quantify bottlenecks, overcapacity, waste and malfunctions of all kinds
- Make operations faster, more agile, efficient, and reliable
- Develop a performance management system based on field indicators and problem-tracking routines
- Conduct a flow and/or organisational efficiency problem-solving workshop based on the 'kaizen event' approach

Program

- History and positioning of Lean Management
- DMAIC and Kaizen Event method
- Process capability: cycle time and Takt time
- Work in progress, stock, lead time and Little's Law
- Value Stream Mapping (VSM)
- Load chart
- Analysis of added value and waste elimination
- Process Cycle Efficiency and Overall Process Efficiency
- First Pass Yield and Rolled Throughput Yield

- Theory of constraints and line balancing
- Continuous flow
- Pull flow and Kanban
- Visual Management, Poka-Yoke, 5S
- SMED
- Heijunka, dynamic capacity adjustment, and standardization
- Maximum acceptable work-in-progress (WIPmax)
- Kata and Short Interval Control
- Toyota Way
- Complex flow analysis
- Failure Modes and Effects Analysis (FMEA)

Teaching Methods and Learning Resources

- Inductive teaching: experimentation with the Lean improvement method (Kaizen Event) through a role-playing simulation of a cross-functional business process.
- Groups of up to 12 participants to foster interactivity, idea sharing, and professional network development
- Training materials provided in PDF format
- Self-assessment test at the end of the course

Certification

- Closed-book online examination with webcam monitoring to be taken within 6 months after the course.
- Multiple-choice questionnaire of 25 questions (50-minutes exam)
- Passing criteria: $\geq 60\%$
- This exam validates the acquisition of Lean Management knowledge in accordance with the LSSx.0 knowledge framework, which is necessary for developing the targeted skills. It includes a mix of questions on restitution (e.g. definitions), execution (e.g. calculations, choice of tools), and use of knowledge (e.g. drawing conclusions based on a result, taking a decision in a given situation).