Lean Six Sigma Green Belt Training

6-day LSSGB Training | Theoretical and practical certification Practical project with support

Drive concrete and measurable improvement projects through a structured and recognized method.

The **Lean Six Sigma Green Belt** training allows you to permanently improve process performance, in parallel with your role, through data-based projects.



This training includes:

- **6 days of training** spread over several weeks
- **A proven methodology** (DMAIC) to solve complex problems
- **A real improvement project**, carried out in your organization
- **Support from Lean Six Sigma expert**s (individual coaching)
- An internationally recognized **Green Belt certification** (ISO 13053 & 18404)
- **Tools** directly applicable to reduce costs, defects and variability

LEARNING OBJECTIVES

Upon completion of the **Lean Six Sigma Green Belt** training, participants will be able to:

- Understand and apply the **Lean Six Sigma** methodology in their professional environment
- Identify **opportunities for improvement** and select high value added projects
- Analyze processes and data to identify the **root causes** of problems
- Use the **DMAIC** approach to structure and manage an end-to-end improvement project
- Implement sustainable solutions to **reduce costs, defects, and variability**
- Actively contribute to improving quality and customer satisfaction within the organization

TRAINING CONTENT AND AGENDA

The Green Belt training combines the **fundamentals of Lean**, the **Six Sigma methodology** and practical application through a **real project**.

Part 1 – Lean Fundamentals (2 days)

- Philosophy, origin and principles of Lean
- Lean and Theory of Constraints
- Analysis of value for the customer
- Value-added and non-value added activities
- The **8 sources of waste**
- Process mapping (Value Stream Mapping)
- Flow, pull flow, Kanban, 5S and visual management
- Practical Lean simulation

Part 2 – Six Sigma & DMAIC approach (4 days)

Introduction to Six Sigma

- History and organization of Six Sigma
- DMAIC structure
- Six Sigma applied to services and transactional processes

Define Phase

- Voice of the Customer (VoC)
- CTQ and project selection
- Project charter
- SIPOC and stakeholder analysis

Measure Phase

- Data types and collection plans
- Baseline performance
- Analysis of the measurement system Process capability Analyze Phase Identification and prioritization of root causes Graphic analysis tools Cause-effect diagrams Improve Phase Generation and selection of solutions Implementation of solutions and pilot projects Control Phase Implementation of control plans Performance monitoring Project documentation and closure

Part 3 – Improvement Project & Certification

- Implementation of a concrete improvement project within the organization
- Support from a Lean Six Sigma expert Validation of results and approach
- Access to Green Belt certification (theoretical and practical)

Who is the Lean Six Sigma Green Belt training for?

The Lean Six Sigma Green Belt training is intended for professionals who want to actively contribute to process improvement and generate measurable results within their organization.

It is particularly suitable for:

- Team managers and leaders wishing to improve the performance of their department
- Project managers tasked with structuring and steering improvement projects
- Operational, quality or process managers facing recurring issues
- Key collaborators involved in continuous improvement initiatives Internal or external consultants wishing to strengthen their Lean Six Sigma expertise

This training is designed for participants who are running improvement projects in parallel with their main role, without having to devote themselves full-time to process improvement.

Prerequisites

No formal prerequisites are required: the training covers both the basics of Lean and the foundations of Six Sigma, and is suitable for profiles with some professional experience.

Course materials and learning platform

The Lean Six Sigma Green Belt training Relies on comprehensive and structured educational materials, designed to facilitate learning and application, before, during and after training.

Course materials

- Access to the reference books "Lean in Practice" and "Six Sigma in Practice" (digital version)
- Detailed study guides for each phase of the training
- Templates, models and tools directly usable in the context of the improvement project
- Practical cases, exercises and examples from real professional situations

Learning platform

From your registration, you have access to our online platform, which centralizes all educational resources:

- Course content structured by module and by day
- Explanatory videos to deepen key concepts
- Guides and supports for preparation for the theoretical exam
- Information and expectations related to the practical certification project

The platform remains accessible for an extended period, allowing you to review concepts, prepare your project and consolidate your achievements at your own pace.

Lean Six Sigma Green Belt Certification

The Lean Six Sigma Green Belt training leads to an internationally recognized certification, attesting to your ability to lead structured and data-based improvement projects.

A certification in two steps:

- Theoretical Green Belt Certification: issued after passing the theoretical exam, it validates the mastery of Lean Six Sigma methodology and the DMAIC approach.
- Practical Green Belt Certification: issued after the realization and validation of a concrete improvement project, carried out in your organization and demonstrating measurable results.

The Green Belt certification is compliant with ISO 13053 and ISO 18404 standards, internationally recognized and aligned with Lean Six Sigma competency standards used by many organizations. This approach ensures that the certification is based on real and applicable skills, and not just on theoretical knowledge.