



*Training Course:
Lean Six Sigma*

*1 - 5 December 2025
Barcelona (Spain)
Grupotel Gran Via 678*

Training Course: Lean Six Sigma

Training Course code: MA236229 From: 1 - 5 December 2025 Venue: Barcelona (Spain) - Grupotel Gran Via 678 Training Course Fees: 5500 € Euro

Introduction

The Lean Six Sigma training program, designed by Global Horizon Training Center, is a comprehensive course that integrates the principles of Lean methodology and Six Sigma practices to enhance organizational performance and operational excellence. Lean Six Sigma focuses on eliminating waste, reducing variation, and improving process efficiency by combining data-driven decision-making with a culture of continuous improvement.

Through a mix of practical exercises, real-life case studies, and interactive discussions, participants will gain the tools and techniques necessary to streamline operations, improve quality, and deliver sustainable results. The training is aligned with international best practices and is tailored to meet the needs of various industries.

Objectives

By the end of this program, participants will be able to:

1. Understand the core principles, tools, and frameworks of Lean and Six Sigma.
2. Apply DMAIC Define, Measure, Analyze, Improve, Control methodology to solve process challenges.
3. Identify and eliminate non-value-added activities to optimize performance.
4. Use statistical tools to analyze process data and measure improvements.
5. Lead and support process improvement projects within their organizations.
6. Foster a culture of continuous improvement and customer satisfaction.

Course Methodology

- Interactive Presentations: To introduce key Lean Six Sigma concepts and principles.
- Case Studies: Real-world examples to illustrate practical applications.
- Workshops & Group Exercises: Hands-on activities to practice tools and techniques.
- Role-Playing & Simulations: To apply problem-solving in realistic scenarios.
- Assessments & Quizzes: To reinforce learning and measure knowledge acquisition.

Organizational Impact

Upon completion of this program, organizations can expect:

- Enhanced process efficiency and reduced operational costs.
- Improved quality and consistency in product/service delivery.
- Increased customer satisfaction through reduced defects and delays.
- Better decision-making through data-driven analysis.
- Empowered employees capable of driving continuous improvement initiatives.

Target Audience

This program is suitable for:

- Managers and team leaders seeking to improve operational performance.
- Quality assurance and process improvement professionals.
- Project managers and business analysts.
- Operations, production, and service delivery staff.
- Anyone involved in process optimization and performance improvement projects.

Course Outline

Day 1: Introduction to Lean Six Sigma

- Overview of Lean and Six Sigma principles
- The synergy between Lean and Six Sigma
- Key terminologies and concepts
- The importance of customer value and critical-to-quality CTQ factors
- Introduction to the DMAIC methodology
- Understanding waste Muda, variation, and bottlenecks

Day 2: Define and Measure Phases

- Project selection and scoping
- Developing problem statements and goals
- SIPOC Suppliers, Inputs, Process, Outputs, Customers diagrams

- Process mapping and value stream mapping
- Identifying performance metrics and KPIs
- Data collection methods and measurement system analysis

Day 3: Analyze Phase

- Root cause analysis techniques Fishbone diagrams, 5 Whys
- Understanding variation and its sources
- Introduction to basic statistical analysis
- Hypothesis testing concepts for process improvement
- Identifying improvement opportunities based on data insights

Day 4: Improve Phase

- Generating improvement ideas using Lean tools Kaizen, 5S, SMED
- Evaluating and selecting optimal solutions
- Implementing pilot tests for process changes
- Risk assessment and mitigation planning
- Change management and stakeholder engagement strategies

Day 5: Control Phase and Sustainability

- Standardizing improved processes
- Developing control plans and monitoring systems
- Using control charts for ongoing performance tracking
- Sustaining a culture of continuous improvement
- Review of case studies and group project presentations
- Course wrap-up, Q&A, and action planning for participants' workplaces

Registration form on the Training Course: Lean Six Sigma

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Complete & Mail or fax to Global Horizon Training Center (GHTC) at the address given below

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Person Responsible for Training and Development

Full Name (Mr / Ms / Dr / Eng):
Position:
Telephone / Mobile:
Personal E-Mail:
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Payment Method

- ☐ Please find enclosed a cheque made payable to Global Horizon
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