



*Training Course:
Operational Excellence Through Lean Six Sigma*

*14 - 18 December 2026
Cape Town (South Africa)
DoubleTree by Hilton Cape Town - Upper Eastside*

Training Course: Operational Excellence Through Lean Six Sigma

Training Course code: SC236537 From: 14 - 18 December 2026 Venue: Cape Town (South Africa) - DoubleTree by Hilton Cape Town - Upper Eastside Training Course Fees: 6875 € Euro

Introduction

Operational Excellence through Lean Six Sigma is designed to help professionals enhance organizational performance by combining Lean principles with Six Sigma methodologies. The program focuses on eliminating waste, reducing process variation, improving quality, increasing efficiency, and fostering a culture of continuous improvement. Participants will gain practical knowledge of process optimization techniques that support sustainable business excellence and operational effectiveness.

Objectives

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

- Understand the principles of Operational Excellence, Lean, and Six Sigma.
- Identify and eliminate operational waste and process inefficiencies.
- Apply the DMAIC methodology to improve organizational processes.
- Utilize process analysis and performance measurement tools.
- Enhance productivity, quality, and customer satisfaction.
- Lead and support continuous improvement initiatives.
- Develop sustainable operational excellence strategies.
- Drive organizational performance through data-based decision-making.

Target Audience

- Operations Managers
- Quality and Continuous Improvement Professionals
- Process Improvement Specialists
- Team Leaders and Supervisors

- Project Managers
- Department Heads
- Business Excellence Professionals

Competencies Developed

- Operational Excellence Leadership
- Lean Management
- Six Sigma Methodology
- Process Optimization
- Root Cause Analysis
- Continuous Improvement
- Performance Management
- Change Management

Outline

Day 1: Foundations of Operational Excellence and Lean Six Sigma

- Principles and frameworks of Operational Excellence
- Lean and Six Sigma fundamentals and business benefits
- Customer value, Voice of the Customer VOC, and Critical-to-Quality CTQ requirements
- Building a culture of continuous improvement and organizational excellence

Day 2: Lean Thinking and Waste Elimination

- Identifying value-added and non-value-added activities
- Types of waste and strategies for waste reduction
- Process mapping and Value Stream Mapping VSM

- Lean tools for improving workflow, productivity, and efficiency

Day 3: Six Sigma Process Improvement Methodology

- Overview of the DMAIC framework
- Process measurement, data collection, and performance metrics
- Root cause analysis and problem-solving techniques
- Reducing process variation and improving process capability

Day 4: Process Optimization and Performance Improvement

- Identifying and prioritizing improvement opportunities
- Productivity enhancement and quality improvement strategies
- Lean Six Sigma project planning and implementation
- Monitoring, controlling, and evaluating process improvements

Day 5: Sustaining Operational Excellence

- Establishing sustainable continuous improvement systems
- Performance management through KPIs and operational dashboards
- Change management and employee engagement strategies
- Developing an Operational Excellence roadmap and action plan

Registration form on the Training Course: Operational Excellence Through Lean Six Sigma

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