

LEAN SIX SIGMA GREEN BELT COURSE



LovecchioConsulting

Innovation in Operations Management

LEAN SIX SIGMA COURSE – GREEN BELT



Benefits

This course allows to master the Lean Six Sigma Methodology: more than waste reduction (usual for the lean approach), Six Sigma has the capability to reduce process variations and the consequent cost of non quality, together with a higher customer satisfaction. It is applied in manufacturing, distribution and service industries.

This methodology, born in 1980s, allowed a great success in various companies, once acquired the right commitment and approach.

Main Contents

Module 1 - Introduction

- Introduction
- Six Sigma Basics
- Lean Fundamentals
- Design For Six Sigma (DFSS) Methodology

Module 2 - Define

- Voice of the Customer (VOC)
- Basics of Project Management
- Selecting Lean Six Sigma Projects
- Tools of Project Management & Planning
- The Lean Enterprise
- Waste Classification
- Team Performance and Dynamics

Module 3 - Measure

- Process Analysis and Documentation
- Probability and Statistics
- Measurement System Analysis (MSA)
- Statistic Distributions
- Data Collection
- Process Capability

Modulo 4 - Analyze

- Types of Variation
- Inferential Statistics
- Introduction to Hypothesis Testing
- Hypothesis Testing with Normal Data
- Hypothesis Testing with Non-Normal Data

Module 5 - Improve

- Correlation and Regressions
- Analysis of Variance (ANOVA)
- Design Of Experiments (DOE)
- Root cause analysis

Module 6 - Control

- Lean Controls
- Statistical Process Control (SPC)
- Six Sigma Control Plans

Module 7 - Conclusions

- Six Sigma Project
- Final test

Who should attend?

- CEO
- Managers and Directors
- Quality Managers
- Functional Managers
- Team leaders

Anybody interested in Lean Six Sigma

Methodology and who wants to earn a Lean Six Sigma

This course is preparatory for the international Lean Six Sigma Green Belt certification.

Instructor

Giuseppe Lovecchio

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Duration and delivery mode

- Online Live
- Online Recorded
- On Site (in-company or at our offices)

The online mode is provided in six sessions of three hours each.

The on-site mode is delivered in eight days for forty hours totally.

Contact us to define the date and the timeframe for the course delivery.

Documentazione

At the end of the course it will be delivered at documentation in pdf format and a certificate of participation issued by an APICS (www.apics.org) recognized instructor.

More specific courses are available in order to match your needs, also in French and Italian language.