

# Lean Six Sigma Green Belt Training (IASSC®)

5-day training | IASSC Green Belt exam voucher and Take2 option included



**A 5-day course that gives you a complete overview of Lean Six Sigma and prepares you for the Lean Six Sigma Green Belt exam.**

Our Lean Six Sigma Green Belt Training and Certification course will enable you to acquire a **high-level understanding** of the Lean Six Sigma method. You will also learn how to **complete successful improvement projects** and you will develop your problem-solving skills.



- Be prepared to take your Lean Six Sigma - IASSC® Certified Green Belt™ exam
- Advance your career, earn a highly demanded certificate in Lean Six Sigma
  - Get practical knowledge thanks to a case study and exercises
- Accredited training materials, exam voucher and Take2 option included
  - Training available in company in English, Dutch and French

## COURSE & LEARNING OBJECTIVES

**Our Lean Six Sigma Green Belt training will enable you to:**

- Gain a thorough understanding in the core and advanced elements of the Lean Six Sigma methodology.
- Develop your Lean Six Sigma skills to lead successful improvement projects that deliver meaningful results to your organization.
- Become a highly appreciated team member in more complex improvement projects led by a Certified Black Belt.
- Understand and apply the five-step DMAIC model (Define, Measure, Analyze, Improve and Control) as a framework to organize process improvement activity.
- Understand how to implement, perform, interpret and apply Lean Six Sigma at a high level of proficiency.
- Relate Lean Six Sigma concepts to the global business mission and objectives.

## COURSE OUTLINE

### 1. Define Phase

- The Basics of Six Sigma: meanings, general history, deliverables, etc.
- The fundamentals of Six Sigma: defining a process, basic Six Sigma metrics, ...
- Selecting Lean Six Sigma Projects
- The Lean Enterprise

### 2. The Measure Phase

- Process Definition
- Measurement System Analysis
- Process Capability

### 3. The Analyze Phase

- Patterns of variation
- Inferential statistics
- Hypothesis testing
- Hypothesis testing with normal data
- Hypothesis testing with non-normal data

### 4. The Improve Phase

- Simple linear regression
- Multiple regression analysis

### 5. The Control Phase

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

### Pedagogical approach

In the morning, we have a face to face session explaining the theory.

**B2B LEARNING** srl/bva

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In the afternoon, we will work on a study case to put the knowledge into practice.

### Who should attend?

This course is aimed at professionals who wish to understand and apply the Lean Six Sigma principles and instruments in order to work effectively with, or as a member of, a process improvement team. Lean Six Sigma is suitable for: Improvement Managers, Operational Line Managers, Team Managers, Project Managers, Programme Managers, Change Managers, Finance Managers, IT Managers, HR Managers, ...

## PREREQUISITES

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It is recommended, although not required that those attending the course and sitting for the exam **have some knowledge of statistics and** some degree of real-world Lean Six Sigma work experience and project application experience. A good working knowledge of English is required.

### Course Material

Participants receive the accredited training presentation in eBook format, additional documentation and the sample exam questions.

## ABOUT THE EXAMINATION

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- Certification : PeopleCert IASSC Certified Lean Six Sigma Green Belt Exam™
- Duration : 180 minutes
- Exam format : closed book
- Exam delivery: online, webcam proctored
- Exam pass mark: 70 % (385/500)

There are no formal prerequisites required to sit for the IASSC Certified Lean Six Sigma Green Belt Exam.

Upon successful achievement, Professionals will receive **the IASSC Green Belt Certificate issued by the International Association for Six Sigma Certification™**, a true independent third-party Certification Association within the Lean Six Sigma Industry.