INTI.Q SOLUTIONS

PECB

PECB Certified
Six Sigma Green Belt

Master the implementation of Six Sigma projects based on best practices

Why should you attend?

This training enables you to develop and certify the technical knowledge and skills of a Six Sigma Green Belt. The course is characterized by experiential learning, personalized labs, skill-based training, practical statistics, 1:1 attention, and immediately usable decision trees and job aides. Certification is based on a project simulation, in-class assignments, examination, and participation.

Who should attend?

- Managers or consultants involved with and committed to process improvements
- Individuals seeking to improve business, production, or service processes
- Six Sigma project team leaders and/ or team members
- Expert advisors seeking to master the implementation of Six Sigma projects

Course agenda

Duration: 5 days

Day 1 | Introduction to Six Sigma Green Belt and Define

- Course Objectives and Structure
- Course Overview
- Introduction to Six Sigma Green Belt Training
- Project Stakeholders
- D1 Project Selection
- D2 Scope Projects
- D3 Develop Charter

Day 2 | Measure

- M1 Detailed Process Maps
- M2 Data Analysis
- M3 Data Management Plans
- M4 Algebra Review & Summary Statistics
- M5 Graphical Displays
- M6 Time Based Displays

Day 3 | Analyze

- A1 Value Add Analysis
- A2 Stratification Analysis
- A3 Root Cause Analysis

Day 4 | Improve and Control

- I1 Process Improvement
- I2 Project Validation
- C1 Control Methods
- C2 Control Charts
- C3 Sustainability
- Six Sigma Green Belt Certification
- Closing the Training

Day 5 | Certification Exam

Learning objectives

- Learn the fundamental principles of process improvement
- Manage projects using the familiar DMAIC methodology
- Leverage the GRES methodology for problem-solving
- Apply basic statistical analyses when appropriate to support improvement efforts
- Learn how to verify process improvements by using statistical and common sense methods
- Facilitate Green Belt process improvement projects
- Learn how to shift processes, reduce variation, stabilize processes, and improve their capabilities

Examination

Duration: 3 hours

The "PECB Certified Six Sigma Green Belt" exam fully meets the requirements of the PECB Examination and Certification Program (ECP). The exam covers the following competency domains:

Domain 1 | Fundamental principles of Six Sigma Green Belt

Domain 2 | Implementation of the rigorous DMAIC methodology

Domain 3 | The use of data-based decision making

Domain 4 | Planning and completing Six Sigma projects

Domain 5 | Interpretation of statistical tools

Domain 6 | Improvement of processes and how to solve organizational problems

For more information about exam details, please visit Examination Rules and Policies.

Certification

After successfully completing the exam, you can apply for the credentials shown on the table below
You will receive a certificate once you comply with all the requirements related to the selected credential

For more information about the Six Sigma Green Belt certification and the PECB certification process, please refer to the Certification Rules and Policies.

Credential	Exam	Professional experience	Six Sigma project experience	Other requirements
PECB Certified Six Sigma Yellow Belt	PECB Certified Six Sigma Yellow Belt exam or equivalent	None	None	Signing the PECB Code of Ethics
PECB Certified Six Sigma Green Belt	PECB Certified Six Sigma Green Belt exam or equivalent	**Three years:** Two years of work experience with Six Sigma Projects	Six Sigma project activities: a total of 200 hours	Signing the PECB Code of Ethics

General information

- Certification fees are included on the exam price
- Training material containing over 500 pages of information and practical examples will be distributed
- A participation certificate of 31 CPD (Continuing Professional Development) credits will be issued
- In case of exam failure, you can retake the exam within 12 months for free