Six Sigma Green Belt

General Objectives:

This course aims to acquire and train intermediate concepts of problem solving, allowing an overview of statistical analysis.

Specific Objectives:

At the end of the course the trainees will be able to:

- ➢ Know and understand what Six Sigma projects are;
- ➢ Know and understand the need to please customers;
- ➢ Know and understand the advantage of improving work processes;
- ➢ Know and understand what is variability in processes and defects;
- ➢ Know and understand the tools of Six Sigma.
- ➢ Know and understand the DMAIC method.

Recipients:

This course is aimed at all intermediate employees who are capable of leading simple project execution teams, or who are part of an advanced project team, under the guidance of a Black Belt.

Duration:

40 Hours

Content Program:

Module I - Six Sigma Principles

- ➢ What is Lean methodology;
- ➢ The Six Sigma tool;
- ➢ Supporting Pillars of Six Sigma projects;
- ➢ Pleasing Customers;
- ➢ Improving Processes;
- ➢ Teamwork.

Module II - VSM Method

➢ Purpose of VSM;

➢ Value Stream Mapping;

➢ Execution Process.

Module III - SMED Method

➢ Objective of SMED;

➢ Single Minute Exchange of Die.

Module IV - FMEA method

➢ Objective of FMEA;

➢ Failure Mode and Effect Analysis.

Module V - Sipoc Diagram

➢ Objective of the SIPOC Diagram;

➢ SIPOC Diagram;

➢ SIPOC(R) Diagram;

➢ Methodology.

Module VI - Jidoka

➢ Concept of Jidoka;

➢ Jidoka method.

➢ Module VII - DMAIC Method

➢ Purpose of DMAIC;

➢ DMAIC Method (Define / Measure / Analyze / Improve / Control).

Module VIII - Six Sigma Statistics

➢ Concept of Six Sigma Statistics;

➢ Six Sigma Statistics.