Introduction

The conversion of process improvement opportunities into projects with financial benefits is the focus of the **Lean 6 Sigma** methodology. To extract knowledge from data, implies mastery of several tools.

Goals: To teach a whole strategy, a set of tools and to discuss a series of practical cases, allowing the participants the acquisition of necessary skills for the practical implementation of **Lean 6 Sigma Back Belt projects**.

Customers: People individually or representing a company. Department Officers, Process Engineers, Continuous Improvement responsibles coming from Manufacturing or Services businesses, Business and Plant Managers.

It is not necessary to have had previous contact with the methodology.

Certification: It will be delivered to each participant a certificate of attendance of the Course with the respective program.

Instructor

Eduardo Costa (Master Black Belt certified by GE)
https://www.linkedin.com/in/eduardooliveiracosta/

Eduardo was one of the first General Electric Black Belts worldwide. He led the implementation of the Methodology in the unique industrial characteristics business that GE had in Portugal. Eduardo coached international Lean Six Sigma implementation projects in distintct Multinational companies (Avis, Hovione, TNT, Linde, Office Depot, Vodafone, IKEA, Galp, ABB) either in Industrial and Services businesses.

Experience in diverse sectors as oil&gas refination, logistics, insurance, finance, rent-a-car,communications, car industry, pharma, software, retail among others.

Responsible for training and certification of several Green Belts, Black Belts and Master Black Belts worldwide.

Curriculum

Define

- Introduction to Lean 6 Sigma; Project Scoping; Project Definition; Change Management; Building Teams; Six Sigma Roles and Responsibilities; Stakeholder Analysis, DisC profile; Kano analysis, Job to Be Done, Businesses fundamentals; Communication Plans.

Measure

- Six Sigma Metrics; Introduction to Minitab; Introduction to Statistics; Data Collection; Measurement Systems for Attribute and Variable Data(Gage R&R); Process Maps; Value Stream Maps (VSM); 8 Types of Waste; Capability Analysis (Normal and non-Normal); Process Analysis tools; Gage R&R exercises; Detailed Process Flow diagrams.

Analyze

- Fishbone Diagrams; Cause&Effect Matrix; 5S; Flow; Pareto Charts; Graphical Analysis; Advanced Correlation and Regression—simple and multiple; Hypothesis Testing; Complex Tests of Hypothesis; Confidence Intervals; Contingency Tables and Chi-Square; Failure Mode Effect Analysis (FMEA); ANOVA.

Improve

- VSM Future State; Brainstorm Techniques; Poka-Yoke (Mistake Proofing); Pull; KANBAN calculations; Evaluating Solution Ideas; Creating a Pilot Experiment Plan, DOE—exercises; Keeping Change Momentum; Introduction to Innovation.

Control

- Making Change Last; Control Methods; Building a Control Plan; Introduction to Statistical Process Control (SPC); Constructing Control Charts; Project Transfer; Project Closure; Survey Design and Analysis.

Location, price, payment terms and registration

Location: Marina de Lisboa main building (Parque das Nações)

Duration: 10 days (5+5 days) from 09:00 until 18:00

Dates: 21, 22 , 23, 24 and 25 September 2020 (part 1)

19, 20, 21, 22 and 23 October 2020 (part 2)

Price: 3,050 € (with SigmaXL software, perpetual license, worth 300 €)

Note: VAT is added to the mentioned prices at the legal rate (current rate: 23%)

Payment terms

50% before part 1 and 50% before part 2

Registration

Email a copy of this document to training@sixsis.com, by filling the fields below:

Name:_____

email: _____

Mobile:_____