

Black Belt Training

Overview

Continuous Improvement (CI) has been part of business practice for decades. Essentially CI is a 'change for the better'. Sometimes we perform these changes as part of our day-to-day business activities, other times we need to have a specific goal or objective to achieve that takes the form of a project.

Lean Six Sigma Black Belts are vital assets to any business. They are resources who are working full time on improving the business to make it better, faster and more cost effective. They are key employees equipped with specialist tools and knowledge to make transformational changes happen.

Lean Six Sigma Black Belts are highly effective weapons in reducing costs. They can lead cost reduction projects that can save anything from €250k to €1M depending on the project. They are also key change agents leading the way in Lean Six Sigma driving cultural improvements.

Black Belt Training offered by Alora Consultants includes Lean, Six Sigma and Change Management tools and methodologies. The training focuses on utilizing the most common Lean Six Sigma and Change Management tools in the execution of high complexity projects. The format of the training will be tutor led. The training is very interactive thus there is a lot of emphasis on group dynamics and ensuring the attendees participate and interact with the trainer and each other. The training is conducted through presentations, simulations, role plays, group exercises, discussions and case studies.

This is a 16-day training programme and is designed to lead the attendees through the Lean Six Sigma methodology focusing on DMAIC (Define, Measure, Analyse, Improve and Control).

To maximize the training, it is strongly recommended that each attendee would bring a project to the training, so they may practice the skills and methodologies learned in the training class by doing them in the project during and after the class training - 'learning by doing'.

Duration

The is a 16 day program which will be facilitated over a 4 month period, 4 days in a row per month.

Objectives

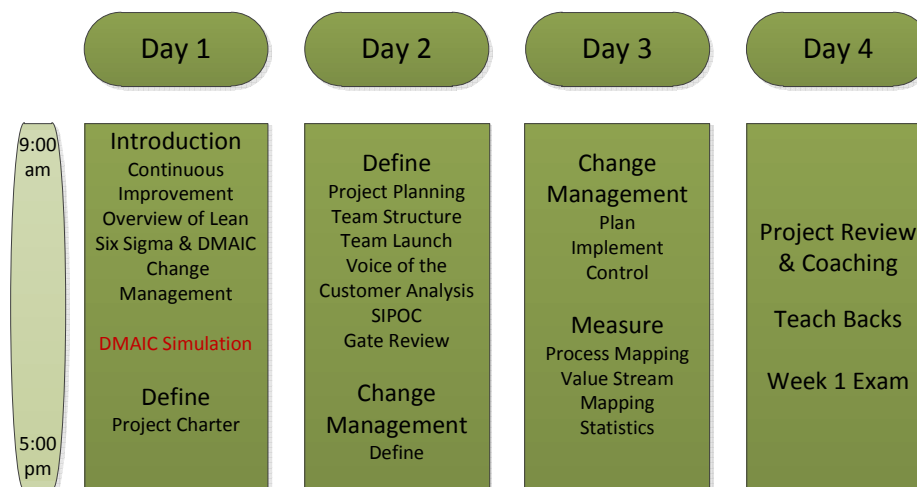
By the end of this training programme the attendees will be able to:

1. Understand Lean Six Sigma methodology and DMAIC.
2. Understand how to use the most important tools in DMAIC phases.
3. Understand Change Management and tools used.
4. Identify sources of waste and variation within the business.
5. Execute complex projects successfully.
6. Use Lean Six Sigma as an efficient and effective cost reduction strategy.

Content

The course content will follow the standard ASQ format plus Lean Modules integrated in at appropriate points. There will also be time allocated for the attendees to work and discuss their projects. The expectation at the end of each training week would be that the attendees would work on their assigned projects in between training weeks and be to present back to the class at the next training week on the progress they made. Thus by the end of the training course the attendees would have approx 75% of their project completed.

Week 1: Introduction, Define & Measure.



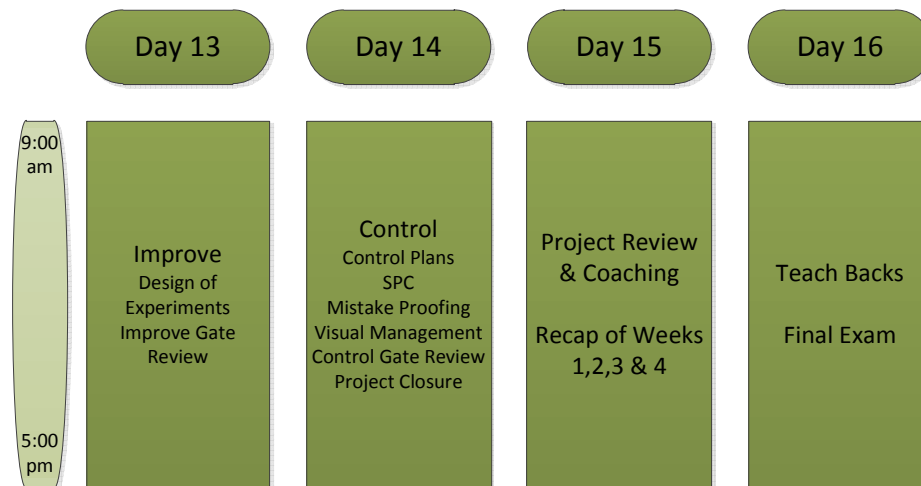
Week 2: Measure & Analyse.

	Day 5	Day 6	Day 7	Day 8
9:00 am	Recap of Week 1 Measure Data Collection Measurement Systems Analysis Control Charts Process Capability Baseline Calculation Gate Review	Analyse TIMWOOD VA & NVA Analysis Simple Root Cause Analysis Cause & Effect Matrix FMEA Scatter Plots	Analyse Confidence Intervals Hypothesis Tests Sample Size Process Constraints ABC Analysis	Project Review & Coaching Teach Backs Week 2 Exam
5:00 pm				

Week 3: Analyse & Improve.

	Day 9	Day 10	Day 11	Day 12
9:00 am	Recap of Weeks 1 & 2 Analyse Regression Analysis ANOVA Analyse Gate Review Improve Improvement Plans Piloting Solutions	Improve Kaizen 5S SMED Process Flow JIT Pull & Push	Improve Kanban Process Improvements TPM & OEE	Project Review & Coaching Teach Backs Week 3 Exam
5:00 pm				

Week 4: Improve & Control.



Evaluation

The trainees will be evaluated on 2 different levels.

Level 1 – Reaction

The reaction of the trainees to the training programme will be evaluated at the end of each day through an informal feedback method and at the end of training programme through a formal feedback form. The results of the feedback will be shared with the Client.

Level 2 – Learning

The skills, knowledge and attitude of the trainees will be evaluated at the end of the programme by the completed of an examination. Examination will be similar in content to an ASQ examination. Results will be shared with the attendees and the Client.

Certification

Each attendee will receive a certificate of completion of the training course at the end of week 4 once they successfully pass the examination. This training program is also aligned with the requirements for ASQ Black Belt Certification. Training attendees can apply for ASQ certification once they meet the requirements of ASQ. For more information visit [Six Sigma Black Belt Certification - SSBB - ASQ](#).

Who should attend?

This course is intended for those employees within a business who are engaged in complex project management and problem solving for example Process Engineers, Quality Technicians and Engineers, Maintenance, Supervisors, Managers and Project Managers.

For further information on Black Belt Training please contact
our Engagement Director

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