Yellow Belt
Lean Six Sigma

stanwick academy

Context

Do you want to tackle problems within your organisation in a structured way? Do you see around you inefficient processes and would you like to optimise them? Then we would like to invite you to our Yellow Belt training with a focus on 'Process Improvement Methodologies'. Process Improvement Methodologies' are a general umbrella term for the methodology of eliminating causes of defects (Six Sigma) and eliminating losses by focusing on value-adding activities (Lean). Together, they result in a more qualitative output through a faster, cheaper process.

Our approach

- We combine theoretical concepts with practical examples, case studies and interactive activities to enhance the learning experience.
- This training consists of 3 training days, preferably divided into 2+1.
- Participants bring their own cases. Between sessions, what is learnt can be applied to deepen the understanding of the theoretical techniques.
- In-depth cases brought by the trainers are discussed in small working groups.
- The training offers the opportunity to exchange experiences with other participants.
- The learning experience is supported and enhanced by an online learning platform.
- A training certificate can be provided.

What can you expect?

During this three-day course, we will immerse you in the philosophy and fundamentals of Lean and Six Sigma. The DMAIC (Define, Measure, Analyse, Improve, Control) roadmap is our guide in learning and using the non-statistical basic techniques from both approaches.

We complement this package with some of the necessary facilitation tools such as teamwork and meeting & decision-making techniques in order to implement these process improvements in a group setting. This Yellow Belt is the ideal preparation for participants who later want to delve into the more specialised approaches such as Lean Office (Lean approach specifically for administrative processes), Lean Manufacturing (Lean approach specifically for manufacturing processes), Six Sigma (focus on statistical techniques), …

Participants will be trained on the basic steps of a DMAIC project and the basic tools in this structure. After the training, they will be able to function as team members in project teams of the already trained Green Belts. They will also be able to take up small improvement initiatives independently.

Intended result = after attending the training course, participants will be able to solve Non-statistical process problems autonomously according to the principles and using the techniques of the DMAIC roadmap.

Programma

- Introduction to 'Process Improvement Methodologies' and the DMAIC roadmap:
  - Structured problem solving through the use of the DMAIC roadmap
- **DEFINE:**
  - Delineating your process improvement project (business case, project charter, stakeholder analysis, communication plan)
  - Visualising the process (SIPOC, flow charts)
  - Voice-of-the-customer (KANO, CTQs, ...)
- **MEASURE:**
  - Funnelling (priority matrix, FMEA)
  - Data collection plan (TAKT time, lead time cycle time, operational definition, ...)
  - Visualisation of data (histogram, pareto, time plot, box-plot, ...)
- **ANALYSE:**
  - Root cause analysis (5 WHYs, Ishikawa, 6 Ms)
  - Value added - non value added analysis
- **IMPROVE:**
  - Generate, evaluate and select solutions (brainstorming, creativity, selection and decision-making techniques, implementation plan)
  - Creating an efficient process: linking value added activities according to the pace and demand of the customer and application of the Lean Toolbox
- **CONTROL:**
  - Securing results: Standard Operating procedure (SOP), standardisation, control charts, documentation, training, ...
  - Exploring the Lean Toolbox: including losses, flow, pull, 5 S, poka yoke, visual management, ...