



## Context

This "Process Improvement Methodologies" Green Belt combines the rigorous, statistical approach of Six Sigma with the simplicity and speed of the Lean philosophy. This allows participants to achieve the challenging financial goals of their company faster and in a more efficient way. The continuous success of companies is more and more depending on the presence of specialised collaborators who can optimise processes in team as well as production, service and administrative processes.

## Our approach

- The Green Belt course consists of 3 work sessions each of 3 consecutive days.
- Each work session offers a mix of theoretical foundation and practical exercises.
- Each participant should preferably have a project regarding process improvement.
- During the training, there are feedback moments about the progress and possible problems in these projects.
- Each session provides the opportunity for exchanging experiences with other participants.
- At the end of the training an exam is administered and participants who get a score of 70% or higher will receive a Green Belt Training Certificate.

## What do we offer?

- Analysis techniques to recognise waste in your own business processes.
- Project prioritisation tools based on the differences between chronic and acute problems.
- Selection criteria for choosing the right approach / tools regarding the defined problem.
- A thorough knowledge of the Lean-Six Sigma DMAIC methodology:
  - As a project management structure
  - As a statistic toolbox
  - As a lean toolbox
  - As a problem-solving toolbox.
- Teamwork approach in process improvement projects.
- Change Management approach by managing a process improvement project.

## Customer testimonials

"The training helped me to understand how to solve complex problems in a structured way."

"The training is highly applicable within my own work area, it is very practical."

"The training convinced me of the practical use of statistics."

"Very open attitude of the trainers, they responded well to needs of the group."

"After the Green Belt training, you realise what you're getting yourself into when starting a process improvement project."

"Useful not only for Six Sigma projects, but certainly also in my daily life / work."



## Programme

### DIAGNOSE

- ▀ Basic philosophy of Lean-Six Sigma DMAIC.
- ▀ Lean principles: value, value stream (mapping), create flow, establish pull, pursue perfection.
- ▀ Identifying wastes in the process: 7 technical + 3 human wastes.
- ▀ Chronic vs. Acute variation: the Kepner-Tregoe approach to acute variation.

### DEFINE

- ▀ Defining your process improvement project (business case, project charter, social contract, stakeholder analysis, communication plan).
- ▀ Visualisation of the process (SIPOC, flow chart, value stream mapping, ...).
- ▀ Voice-of-the-customer (KANO, CTQ's, ...).
- ▀ Building and managing your project team.

### MEASURE

- ▀ Funnelling (priority matrix, FMEA).
- ▀ Data collection plan (TAKT-time, lead time cycle time, operational definition, sampling, ...).
- ▀ Visualisation of data (histogram, Pareto chart, time plot, box-plot, ...).

### ANALYSE

- ▀ Root cause analysis (5 WHY's, Ishikawa, 6 M's).
- ▀ Value added – non value added analysis.
- ▀ Data-analysis (stratification, hypothesis-testing, regression).

### IMPROVE

- ▀ Generate, evaluate and select the solutions (brainstorming, creativity, selection- and decision-making techniques).
- ▀ Creating an efficient process: linking value added activities according to the pace and the demand of the customer.
- ▀ Lean Toolbox: 5S, line balancing, visual management, standard work, Kaizen, Poka Yoke,...
- ▀ Implementing solutions: PDCA and change management.

### CONTROL

- ▀ Control charts (Statistical Process Control) and process capabilities.
- ▀ Securing the results: standardisation, documentation, training, ...

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## Green Belt Certification

Participants receive, after following the training and passing the exam, a Green Belt Training Certificate. If they want to receive a Green Belt Certificate, they need to successfully perform a process improvement project according to the DMAIC-roadmap.

Stanwick can coach them during this project execution and after participating in the final presentation of the project hand them their Green Belt Certificate. Please do not hesitate to contact us if you want to receive more information on project certification.