

VIRTUAL Green Belt

Process Improvement Methodologies

DMAIC Project Leader

8-9-10-11 February 2021
8-9-10-11 March 2021
22-23-24-25 March 2021

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 specialized collaborators who can optimize production, service and administrative processes in team.

Our approach

- The Green Belt course consists of 12 contact days with a morning session of 3 hours and an afternoon session of 2 hours, each of them facilitated virtually.
- Each work session offers a mix of theoretical foundation and practical exercises during which supporting digital tools like Mentimeter, Miro, MSTEams,... are being used.
- 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 or during which additional questions on the content of the training can be asked.
- Participants receive access to an online training-space that allows them to connect with other participants and exchange experiences throughout the training.
- 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 can you expect?

- Analysis techniques to recognize waste in your own business processes.
- Project prioritization 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 in managing a process improvement project.

Program

DIAGNOSIS

- 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)
- Visualization of the process (SIPOC, flow chart, value stream mapping, ...)
- Voice-of-the-customer (KANO, CTQs, ...)
- Building and managing your project team

MEASURE

- Funnelling (priority matrix, FMEA)
- Data collection plan (TAKT-time, lead time cycle time, operational definition,...)
- Visualization 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

CONTROL

- Control charts (Statistical Process Control) and process capabilities
- Securing the results: standardization, documentation, training,...
- Determining the Lean-Six Sigma KPI's.

Green Belt

Customer testimonials

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

Certainly one of the better courses.

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

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

The training convinced me of the practical use of statistics.

After the Green Belt training, you realize 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.

Insight into the practical use of these methodologies, case studies are realistic.

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.

Trainers

Both trainers facilitate trainings and assist companies in implementing Process Improvement Methodologies.

Kurt Maegherman: Senior management consultant and Process Improvement Master Black belt, trains and coaches organisations in both the Six Sigma and Lean methodology. He is experienced in both technical and transactional processes and especially in High Tech industries, the pharmaceutical industry and high volume industries. He has over 12 years experience as a consultant. He has a Masters Degree in Industrial Electronics Engineering and is a Certified Master Black Belt. He is also a guest lecturer at ETH Swiss Federal Institute of Technology Zürich.

Katia Van den Bremt: Senior management consultant, coaches companies in the implementation of project management, management of change (human dynamics) and management development. She is experienced in implementing and coaching improvement processes, management development & coaching and general HR management. She has over 12 years of experience in consulting. She has a Masters Degree in Business Psychology at the University of Ghent and an MBA in General Management at the Vlerick Leuven Gent Management School. She is a certified MBTI facilitator (Step I & II) with Oxford Psychologists Press, she is Belbin Team-role accredited, has a Green & Black Belt in Six Sigma and she is a Project Management Professional (PMP®) at the Project Management Institute (PMI).

Practical information

Training

- Training spread over 12 contact days
 - Morning sessions of 180 minutes
 - Afternoon sessions of 120 minutes
- Daily offline 'home work'
- Fixed timeslots every day
- Max. 15 participants
- MS Teams application installed

Including

- Documentation (digital)
- Digital training materials
- Online training space
- Demo version Minitab
- Digital Lean Simulation Game

Price

- € 5.000 (excl. VAT)
- (discount of 15% starting from second participant of same company). Stanwick is recognized for payment through the KMO-portefeuille.

Language

- Course language is Dutch or English (to be decided 2 weeks before the start of the training), course material in English.