



Black Belt Training

Learn to improve your organization!





lean agile
implementatie

Brockures klaar
voor workshop
agile leadership

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? What is Lean, Agile en Six Sigma?

Lean is an improvement methodology developed at Toyota, starting in the 1950's. It focuses on adding value to the customer and how the process that generates this value can be improved step by step and always together with the people in the process. From the 1990's Lean has been more and more widely applied in all types of organizations. The same principles underpinning Lean are largely reflected in Agile which around that same time emerged in software development. This methodology focuses on creating something fast, flexible and customer-focused. Nowadays Agile is also applied in other processes and a wide range of organizations. Six Sigma first became big at General Electric and is a way of using statistics to gain insight into Processes, making them measurable and improving them structurally.

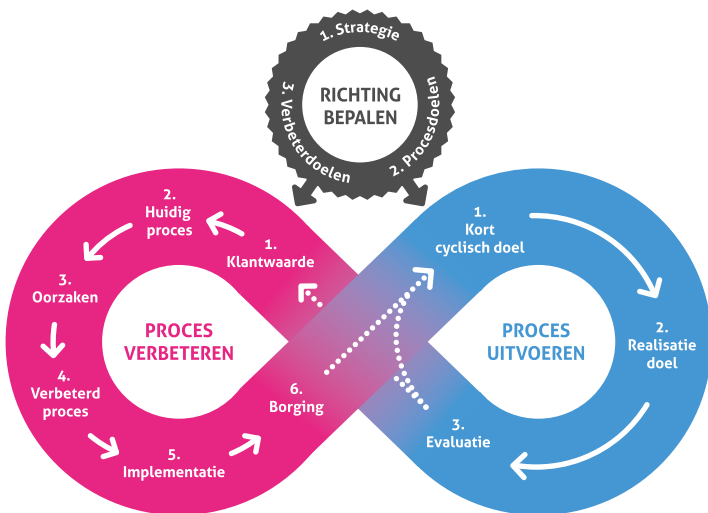
All three methods strive to realize the vision or goals of an organization, by delivering value for the customer regardless of product or service. Now and in the future, continuously improving.



⚙️ Lean Agile model

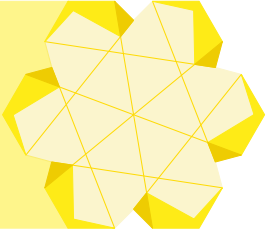
The Lean Agile model shows how a vision and strategy help organisations in steering their processes; adding value to its customers and improving the process as they go along. Actually, all organizations do this. Whether they use Lean, Agile or another method. When the three circles align ever more closely, an organization becomes Agile, efficient and enjoyable to work in. We work with this model in mind.

The three circles represent a generic model for Business Improvement, Lean tools and thinking is often found around the Improve-process loop. Whereas Agile is very applicable in the run-process loop. The third loop (set direction) is used to identify the direction in which the organization wants to move. It supports decision-making in the other two loops and is often the favorite subject of (Lean-Agile) Black-belts. The model provides the basis for thinking of and working with Lean, Agile and Six Sigma, giving each method its own rightful place in organisations. Making organisations Agile, customer-oriented and energetic by applying this thinking in a practical way is what we share with you in this training.



Belts

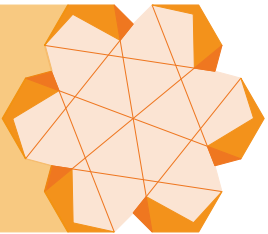
The different levels of training in Lean Six Sigma are named after the colored belts found in Eastern martial arts. Think of the qualities of a Black Belt: highly trained, experienced, disciplined mastered and responsive. As such, there are different application and training levels which are explained below.



Yellow Belts:

Employees who have basic knowledge of Lean and have taken an introductory training in the methodology. This includes Lean, Agile and Six Sigma.

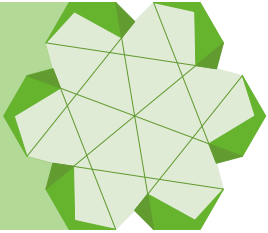
➤ [More information about our Yellow Belt training.](#)



Orange Belts:

Employees who face Lean, Agile and Six Sigma in their work and need knowledge of the tools and techniques used. They pick up improvements themselves, or work with a daily stand-up or day-start. They can also work under the guidance of a Green Belt or Black Belt as a team member in an improvement project. Orange Belts are being trained in this, where the most commonly used tools are explained and practiced within the DMAIC basics.

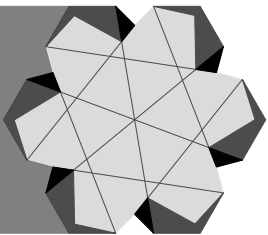
➤ [More information about our Orange Belt training.](#)



Green Belts:

Department managers, project leaders, employees working on process improvement, in the role of project leader and facilitator. Green Belts are being trained in going through the improvement cycle with associated tools and techniques such as Lean Tools, statistical applications and Change Management. A (Master) Black Belt provides expert guidance.

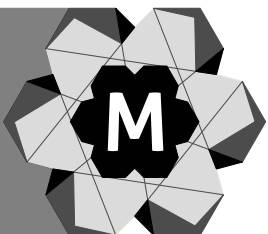
➤ [More information about our Green Belt training.](#)



Black Belts:

Project managers, consultants, program managers, department managers, engineers who are project leaders or program manager of a major improvement project and/or are implementing Lean within an organization. They often accompany Green Belts during their projects and also provide training. Black Belts have applied Lean techniques in practice and have the necessary theoretical background in Change Management, Policy Deployment and data analysis.

➤ [More information about our Black Belt training.](#)



Master Black Belts:

Program managers, trainers, coaches and consultants in the field of Lean Six Sigma. A Master Black Belt has a lot of experience with the methodology and can implement it and guide organizations in it. The Master Black Belt acts as a coach for all Belts and for the management of a company. In addition, he/she ensures that the people, improvements and processes are in line with the strategic direction of an organization, so that a continuous improvement culture is created.

➤ [More information about our Master Black Belt training.](#)

BLACK BELT TRAINING

Target audience

This course is designed for project leaders of larger improvement projects, program managers, managers and consultants who want to work structurally with process improvements and change processes within the organization. Also deploying Lean, Agile and Six Sigma in an organization is also covered during this course. For this training does not require prior education. The level of this training is comparable to Bachelors degree.

Duration of the training

The Black Belt training takes 15 days and combines the Green Belt training and the Green to Black Belt training. The Green Belt training will be a start-up point and you will learn how to implement a project according to the Lean Six Sigma method. Then you will move on to the Green Belt to Black Belt training, where you will also gain more in-depth knowledge.

Black Belt Program

The Black Belt training combines the Green Belt training and the Green to Black Belt training. You start with the material Green Belt training and learn to execute a project according to the Lean Agile Six Sigma method. This is followed by the material of the Green Belt to Black Belt training where you will receive further in-depth content.

From the defined problem we go through the found causes to the best solution through our three funnel method. The funnels are linked to the structure of Lean Six Sigma. This consists of the steps Define, Measure, Analysis, Improve and Control.

After this, both your knowledge of statistics and your Lean Agile Six Sigma techniques are expanded and deepened. You will also learn during the training you will learn how to coach Green Belts from your organization and how to guide them with statistics. An important part of the Black Belt training is the policy deployment part. How do you implement Lean in an organization?

The program is as follows:

Block 1:

Methodology introduction: What is Lean, What is Six Sigma? and how do these methods cooperate with each other?

Define: Who is the customer, what is the customer need/expectation, which process get involved and how to track the results?

Block 2:

Measure: determine and performing a measurement, performing a measurement system analysis, determine the size of the obstacle.



Block 3:

Analyse: identify the causes of the problem, data & process analysis, determine the root cause. Improve: seeking for solutions for the root cause, the best solution selection, implementing solution in practice. Control: secure the implemented solution, set up permanent measurement, determine results. Learning how to execute changes and to guarantee a project succeed within your organization. Exam preparation

Block 4:

Masterclass Policy Deployment; This deepening module deals with program management and Lean Six Sigma Policy Deployments. The main question is: "How do we roll out process improvement in organizations and what is getting involved?". This block involves a step-by-step improvement program for the organisation. We're dealing with techniques such as Scrum, Lean Leadership, OGSM and the project improvement roadmap.

Block 5:

Masterclass Advanced Six Sigma; During this block, the participants learn how to analyse data according to the Six Sigma method. This includes hypothesis testing, process performance analysis and measurement system analysis. No woolly statistics but concrete examples and implementations. We're also working with Minitab.

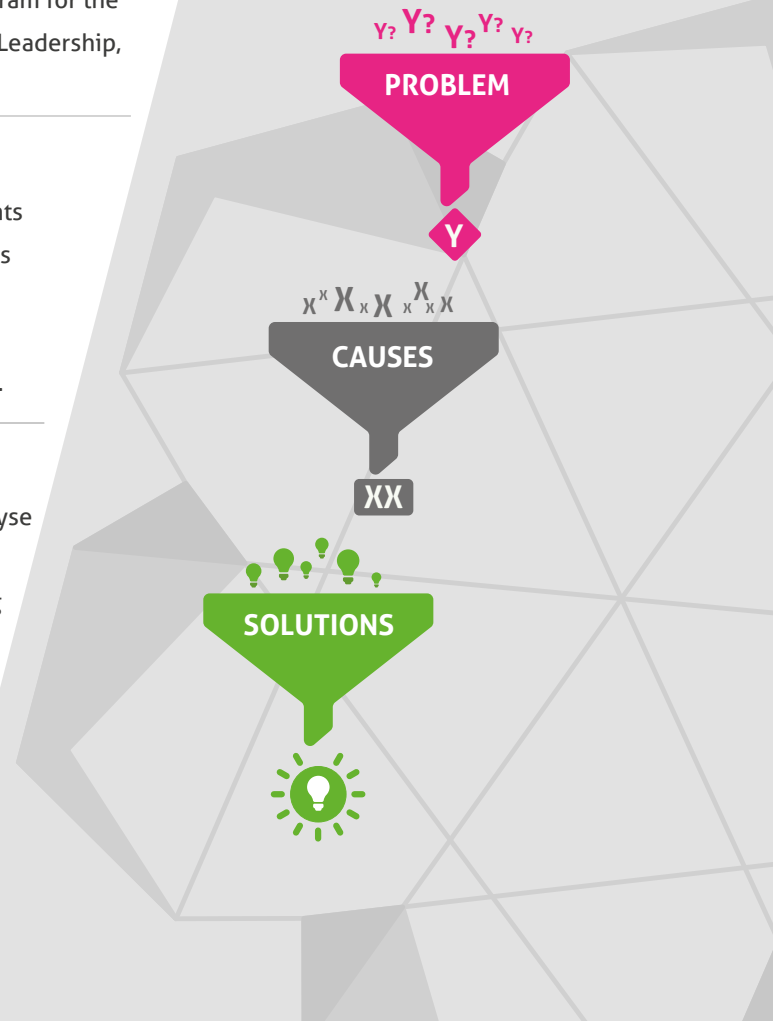
Block 6:

Masterclass Advanced Lean; Lean offers many techniques to analyse and improve even the most difficult processes. We will discuss it during this module, and how the processes can be analysed using Value Stream Mapping.

Block 7:

Masterclass Black Belt; As a Black Belt you will implement Green Belts projects. Supervising projects or coaching are the skills themselves but one that can be learned. Based on the Kata coaching, we will teach our participants how to coach Green Belts. During the last part of this block, exam preparation will occur.

During the training we go through three funnels: From the defined problem we go via the found causes to the best solution. The funnels are linked to the structure of Lean Six Sigma. This consists of the steps Define, Measure, Analyze, Improve, Control



€ Costs (price level 01-01-2025 excl. VAT)

Lean Six Sigma Black Belt
15-day training

€ 7.350,-

Prices are including:

Digital training materials, Location fees, Catering and Certificate of Participation. If you prefer a physical folder, there will be an additional charge of €125.

If you choose to take the training including the exam and certification, there is an additional charge of €600 excluding VAT. A separate purchase of the exam and certification is € 650,- excluding VAT.

Take a look at our website for all prices and training courses



Improvement full of energy

Certification

Upon completion of the Black Belt training you will receive a certificate of participation. It is also possible to become fully certified as a Lean Six Sigma Black Belt. The following requirements apply:

1. **The certificate of participation.** You obtain this by following the full training course
2. **Theory exam.** Knowledge of the theory you demonstrate by passing the theory exam. Here, all parts of the training are tested. This is an exam consisting of multiple choice and open questions. In this exam you use Minitab, a statistical analysis package analysis package that was discussed during the Advanced Statistics. If you do not have Minitab, we have a laptop available on which it is installed. The theory exam takes about half a day.
3. **2 Practical assignment.** You perform two Lean Six Sigma assignments in your organization. These projects you carry out independently. This involves you demonstrate that you can analyze a process and implement improvements. In doing so, you will use a template provided by Lean Six Sigma Group. Your project will be assessed by a Master Black Belt of Lean Six Sigma Group. During the training we dwell on the requirements of this practical assignment. After successfully completing of the projects you will receive a full LCS Lean Six Sigma Group Black Belt Certificate.

Internationally recognized certificate

Lean Six Sigma Groep is accredited at the Lean level by LCS and IASSC. With this, Lean Six Sigma Groep meets the internationally applicable requirements and standards in the field of Lean Six Sigma . After completion of the training with a full certification, you will receive the internationally recognized certificate from LCS. This stands for Lean Competency System. This is a quality mark for training in the field of continuous improvement. LCS is affiliated with Cardiff University. If you have any questions about this, please contact us. In addition, the quality of our training courses is guaranteed by our Cedeo accreditation.

We have the highest score in our industry at Cedeo. They conduct a customer satisfaction survey every 2 years. We are also CRKBO accredited which allows us to offer VAT free professional training.



Our approach

Hands-on and experienced!

Experienced trainers

Our trainers are very experienced in the Lean, Agile and Six Sigma method and its application. Our Master Black Belts, Agile Coaches and Black Belts know the challenges, pitfalls and successes you encounter when implementing improvement projects. With numerous real-life examples, they will challenge you to dive deeper into the subject matter.

9,4 Customer rating

Our customers rate our training courses with an average of 9.4 on Springest. From Cedeo the participants are, without exception, satisfied with the training. Your experiences are for us the translation of the customer value and therefore we attach great value to this.

"Super valuable training! Useful theory that you can use with fun and relevant exercises to get to work immediately. And a very sympathetic trainer with a lot of practical experience who constantly brings the material to life with examples from the business world. A small group, so there is sufficient personal guidance, but you can also learn from each other[...] All in all, a top training!"

Practice-oriented

We believe in Lean and make every effort to help you apply the method during and after the training. With the training you therefore always get two free

coaching moments that you can use to help you implement your improvement project. Our trainings are focused on practice. This way you get maximum benefit from the training in your daily work.

[Read more experiences on our website.](#)

Personal coaching

Next to the coaching moments you get during the training, there is enough space in the training for the trainer and the other participants to help and guide you personally with your assignment. We think along with you and give tailored advice, so that you can apply the method in your work field. Even after the training we often see that the group keeps in touch with each other to share experiences. We also do this in our Leanspiratie network.



About us

We go for result

Getting Lean, Agile and Six Sigma really working in practice. That is what we are fully committed to. Of course, others say it too, but we really do it. This is reflected in our highest industry customer satisfaction scores on Springest and at Cedeo. We help you get results for your organization. Since 2012, we do this through training, coaching and implementation at many different organizations. This way we have ensured that many successful improvements have been implemented.

Flexible and seasoned

It starts with our training. Here we are flexible. We connect them to your needs by paying attention

to your situation in the training and also before. After all, every trainee has a different need, is in a different situation and is doing a different project. We can do this because we have seasoned trainers who stand above the material. If a training date does not suit you, we will look at a solution together. It's also possible that if you've already had part of the training, in which case we'll create a customized program. You learn Lean, Agile and Six Sigma, and above all how to improve and change in such a way that it really delivers the desired results in your situation.

Energetic, personal and fun

Our years of experience make us thorough, and we are quite proud of that. Trainees experience our approach as energetic, fresh, personal and fun. They say that sometimes they see us almost as colleagues. And that they feel at home at our training locations. And we feel the same way.

Our trainers

Suzanne Meinen

Partner, Master Black Belt

Suzanne graduated in Technical Business Administration from the University of Twente in 1998. At KLM, she became so enthusiastic about Six Sigma that she decided to become a Black Belt. As a partner at Lean Six Sigma Groep, she helps organizations achieve sustainable results.



Chris Snellen van Vollenhoven

Partner, Master Black Belt

Chris graduated in Business Administration from Nyenrode University in 2006. After his studies he worked as a consultant for Capgemini mainly in financial services and government. He is now a partner at Lean Six Sigma Groep.





Ben van Asselt

Partner, Master Black Belt

Ben has many years of experience in leading successful Lean transformations and operational Lean management in healthcare. His approach fizzes with energy making improvement projects and trainings a pleasure to participate in.



Arthur Dieffenthaler

Lean Six Sigma Master Black Belt

Arthur has extensive experience in international aviation, with senior roles at Air France KLM. As a consultant and executive in Kenya and Nigeria, among others, he has gained expertise in Lean, Six Sigma, Agile and design thinking. His focus is on successfully implementing change within organizations.



Krijn Vrolijk

Trainer/Consultant

Krijn is a practiced change agent with trainer experience. Participants in trainings he gives appreciate his humor and enthusiasm. He prefers not to complicate things unnecessarily. An important personal motivation that he likes to convey is: continuous development towards ever better results.



Boris Oudmajer

Trainer/Consultant

Boris has held various roles within operational teams in the financial and technical sectors, among others. In early 2020, he graduated in Business Administration from the University of Amsterdam. Boris' biggest motivation is the human aspect of change processes.

Tessa Kempen

Agile Consultant/Coach

Tessa Kempen is a results-oriented consultant and (agile) coach with years of experience in various roles within both commercial and not-for-profit organizations. Tessa has guided several change processes, developing process, control, behavioral and leadership interventions based on analysis.



Andrè Hoogstad

Trainer/Consultant

As an experienced professional, André is characterized by a high degree of development orientation. In various managerial positions he has supervised the necessary change, merger and implementation projects.



Bert-Jan Teunissen

Lean Six Sigma Black Belt Consultant

Bert-Jan gained over 20 years of experience in business services and logistics where he noticed that 'change' seems to be the only constant within companies and government. In various roles he came into contact with Operational Excellence, Agile and Lean thinking. Experience he likes to use as a trainer and consultant.



Mariska Hulsewé

Agile Consultant/Coach

Mariska is an enthusiastic trainer, facilitator and Agile coach with a penchant for effectiveness and attention to the human side of change processes. "Not only the brains, also the hearts" is her motto when implementing continuous improvement.



Leanspiration

LEAN spiratie

Leanspiration seeks to inspire companies and individuals to get started with the Lean mindset. It is a network that connects and inspires so that ideas and inspiration are gained to apply Lean and put added value at the center. In your own life and in your organization. We organize company visits, gatherings and meetings of people around Lean. Leanspiratie was born from the demand of our customers to stay in touch with each other and to keep inspiring each other on the philosophy.

For more information and current Leanspiratie events, keep an eye on our website.



Contact

Please feel free to contact us if you would like to learn more about us know. Or see which Green Belt, Black Belt or other training we have scheduled for you. We are delighted to help you!



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