



Integrated
Consulting
Group

Your Partner in Change.

Lean Six Sigma Black Belt

Training offer from ICG

LEAN SIX SIGMA BLACK BELT



Black Belt training is one of the most comprehensive training programs in process and project management. The trained "Black Belt" manages large-scale process-improvement projects across the company, achieving significant changes in business processes in order to achieve significant financial benefits and increase quality and customer satisfaction. All tools and techniques are discussed in detail during the training. Great emphasis is placed on performing data analysis, process analysis and statistical process management tools.

Black Belt training is no longer statistics training. It is a comprehensive approach to solving process problems. We will not teach you complex formulas in process analysis, but we will teach you to use the most modern analytical tools in the Minitab program.

The training ends with the international Lean Six Sigma Black Belt certification, for which we will prepare you (certification is included in the price of the course).

Facts about the training

- 12 days of BLACK BELT training, usually spread over 2 to 3 months, which combines teaching and work on real projects.
- All tasks are processed within the teaching time.
- The final test takes place on the last day of training.
- We offer a comprehensive service - renting laptops with statistical software, no technical equipment is needed.
- We also offer this course as an extension of the Green Belt training (for already trained Green Belts) in a shortened version.
- 10 hours of online coaching after training is included.

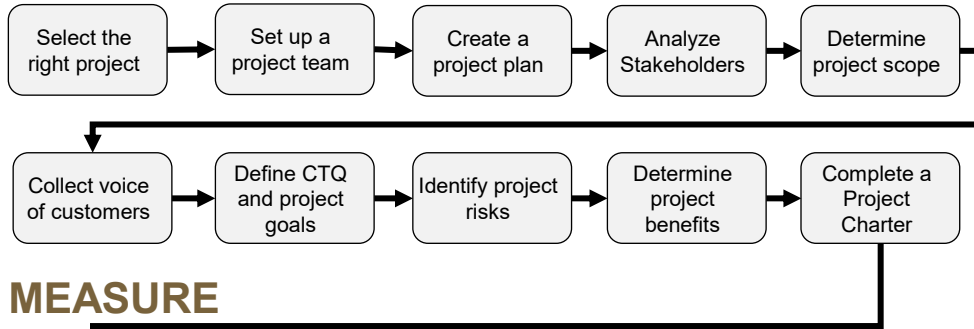
You will learn to

- Implement process management in the company.
- Perform a process audit.
- Manage large projects focused on process improvement.
- Manage the work team (in the form of workshops).
- Analyze collected data (detailed analytical tools).
- Design the best solution, execute the pilot and implement it.
- Quantify the financial benefit of the project.

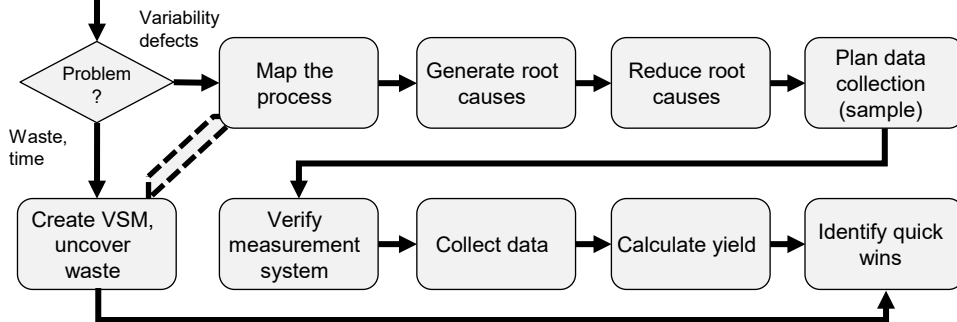
AGENDA – ROADMAP



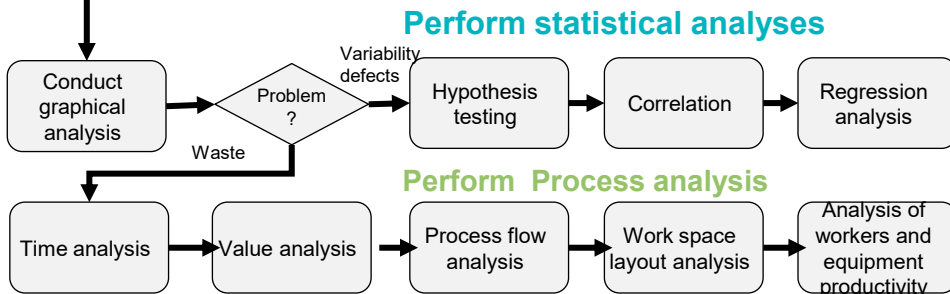
DEFINE



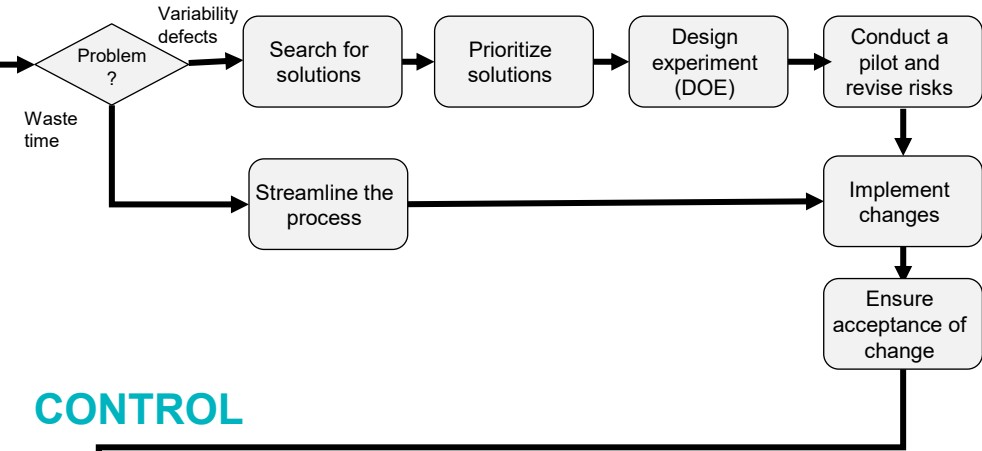
MEASURE



ANALYZE



IMPROVE



CONTROL



WHAT'S INCLUDED IN OUR BLACK BELT



SIMULATION

During Black Belt training we play process simulation which is based on simulation of typical process – showing several defects like delivery time, customer-focused quality and costs. During 11 team and individual exercises, participants will define process problem, map the process, analyze root causes and finally suggest process improvement.



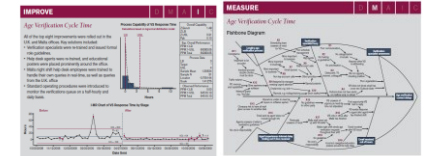
PROJECT

Part of the training is an exercise / workshop to identify opportunity for improvement. The aim of this workshop is to select the best potential processes for Green Belts. This workshop reduces the risk of unsuccessful project selection. During the training or immediately after the training, the Green Belt completes the project charter.



COACHING

After the training the participants can contact our trainers (Master Black Belts) by phone or by email and discuss individually all questions regarding both Lean Six Sigma methodology and practical usage for project.



INTRODUCTION
Age Distribution Cycle Time
All the right measurements were taken and the data was analyzed. The results are shown in the following chart. The chart shows the distribution of the data. The x-axis represents the age distribution and the y-axis represents the cycle time. The chart shows a clear peak in the distribution, indicating a high concentration of data points in a specific age range. This suggests that the process is highly efficient and consistent.

MEASURE
Age Distribution Cycle Time
Process Diagram
The process diagram shows the flow of the process. It starts with the customer's requirements and goes through several steps: requirements analysis, design, production, and delivery. The diagram shows that the process is highly efficient and consistent, with a clear flow of information and materials. This suggests that the process is well-controlled and reliable.

EXERCISES

Several real examples and case studies from already implemented projects are presented during the training. These examples are always tailored to the client industry, and we then discuss their portability to the client environment.

WHAT'S INCLUDED IN OUR BLACK BELT(2)



DFSS

During training, participants learn to recognize the difference between process improvement and design (DFSS). In each approach, a different set of techniques and tools are used. From the field of process design, we deal with topics such as Kano Analysis, QFD, Design of Experiment. Every Black Belt needs to know when it's best to improve the process with the DMAIC cycle and when it's worthwhile to make a complete design of the new process.



CHANGE MNG

Each process improvement project must contain elements of change management. During the project, Black Belts have to identify Stakeholders of their project, choose the right communication strategy, and work effectively with resistance to change. Black Belt training will also prepare participants for the role of change manager.



NETWORKING

During the program, participants have a unique opportunity to work very closely together with trainers. We will connect you with our Alumni to share know how and discuss tools and issues.



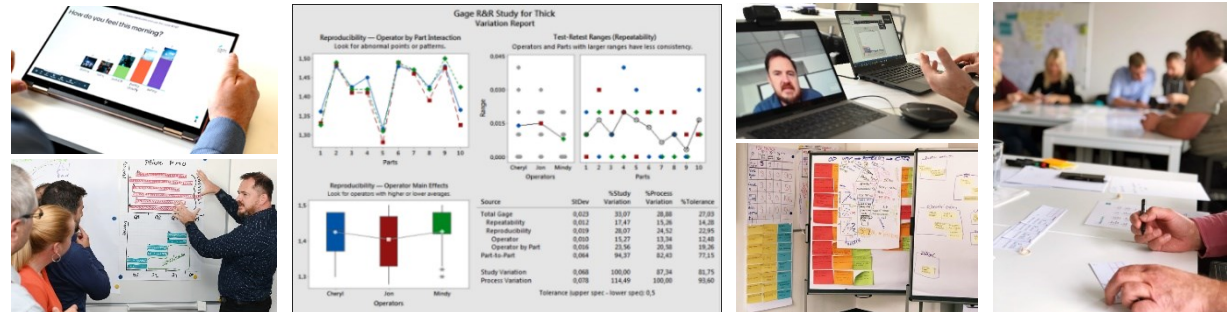
CERTIFICATE

Final stage of the Black Belt education & development is the certification of its own project. The condition is to successfully complete the training and then implement a process improvement project where the DMAIC approach is used and where real process improvement is achieved. Certification takes place several times a year, and in case of successful defense, Black Belt will receive an international certificate.

HYBRID TRAINING FORMAT



1. module	In-class
2. module	Online
3. module	Online
4. module	In-class



Open Black Belt trainings are conducted in a hybrid format combining physical training and webinar. This new format offers a blend of modern digital platforms (Menti, Miro, Odo platform) with discussions, videos and case studies, and gives you access to a large repository of templates, articles and videos on a given topic. The whole concept enhances the interactivity of the programme and you will also learn how to use digital collaboration and problem solving tools for your future work.

The training includes online coaching of your project by an experienced ICG consultant.

For the online part you will need an internet connection and the ability to install or use the [Zoom](#) / [Teams](#) application. The physical part of the programme takes place in a classroom at our training centre in Prague.

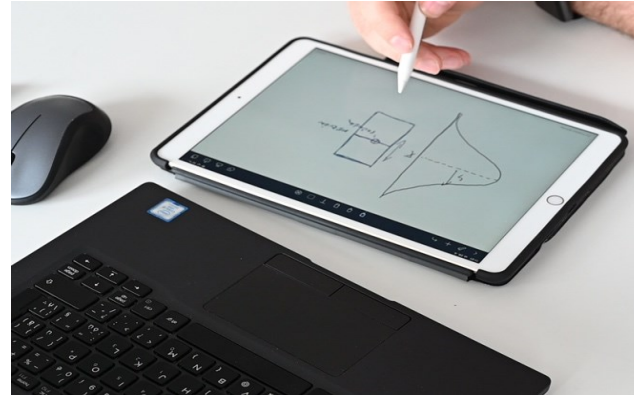
Closed training sessions can be requested in a hybrid format or online/physical only.

ONLINE TRAINING FROM ICG

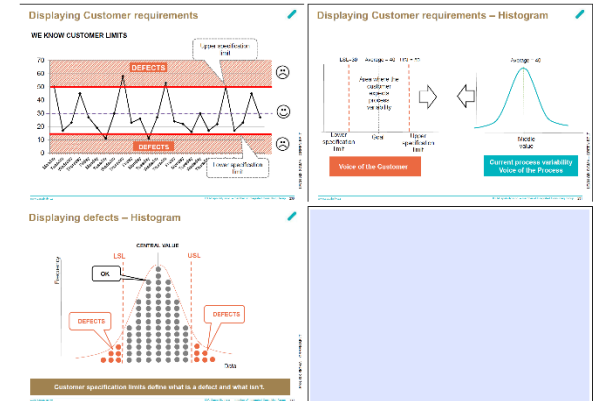
WAYS TO ENSURE MAXIMUM DELIVERY OF INFORMATION TO THE PARTICIPANT



We still share the screen with the presentation / statistical SW



We use a tablet for the explanation - the participant immediately has an output after drawing



Electronic handouts and presentations available on our portal



Possibility to share the participant's screen

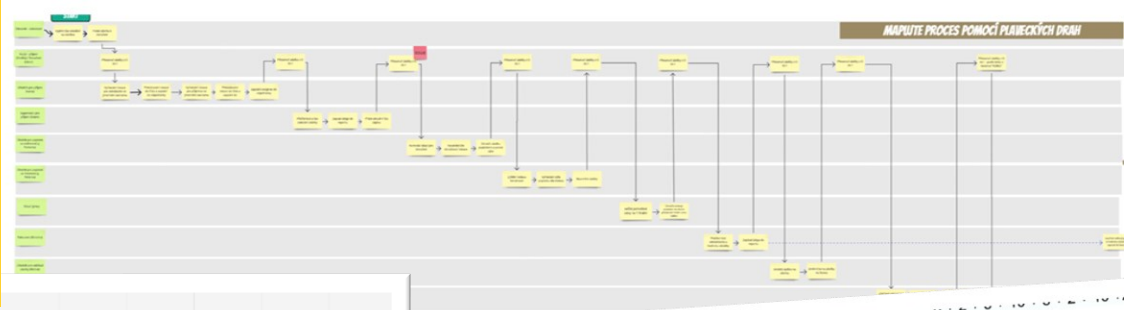
Possibility of discussion with the trainer directly or via chat



The participant will receive electronic materials with the possibility of notes in electronic form (Adobe forms)

MIRO

Yes we use MIRO...

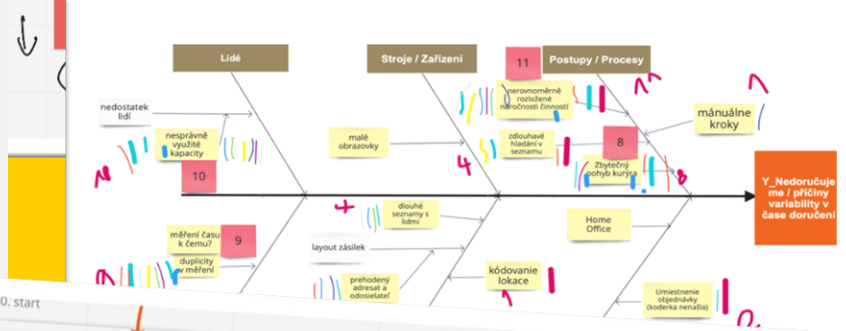
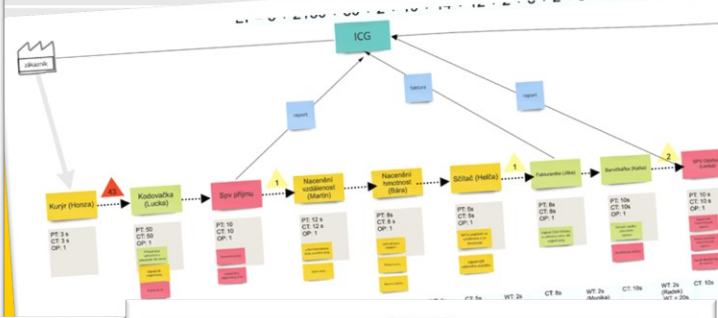
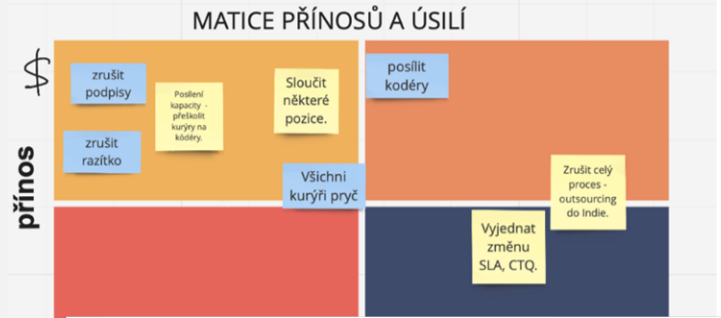


Application for virtual workshops, where it is needed to generate ideas and create subsequent concepts from them.

MIRO is a key tool for us for digital simulations and all exercises

People work at once and online in one environment

Each participant will get access from us



BLACK BELT FROM ICG IN NUMBERS



>600

Training participants who have successfully completed Black belt training since 2008. We served both service and manufacturing industries

40+

Black Belt trainings have been executed in the Europe and worldwide from ICG company

42

Companies have ordered our training LSS Black Belt

100+

Written references received from participants of our training

12:1

Average return on investment from the completed LSS project

96%

average rating after the end of the training

PROČ ICG?



- 1 Methodology based on practical experience from projects of 50 consultants from all over Europe.
- 2 Experienced trainers who realized 85 LSS trainings during last 24 months.
- 3 Combination of LEAN Six Sigma and Change management.
- 4 Quality guarantee for all of our trainings.
- 5 Professional training materials in colour including case studies.
- 6 Over 200 positive references.
- 7 Price includes European certification and coaching in the course of the project.



Your Partner in Change.

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