CERTIFIED   -   4 Days
Six Sigma Green Belt Bootcamp

SSCD: **Six Sigma College**
Düsseldorf

	09.00 – 12.00	12.00 – 13.00	13.00 – 17.00 (19.00)

Day 1

- **Introduction** and expectations of the participants
- **Introduction to the Six Sigma concept**

- **Fundamental terms in the Six Sigma context**
- Description of the Six Sigma levels: Leadership, Project Management, Toolbox, Statistics

- **Process D-M-A-I-C**
- **Roles** in Six Sigma projects
- Understanding the project management dimensions of Six Sigma, link to business and operational excellence functions.

- **D-M-A-I-C 1**
  Define phase in detail: Project Charter, VOC, Problem & Target Definition, Project Management, cost-benefit analysis
- **Q&A Session** – Summary & clarification of questions

Day 2

- **Recap** of the first day and clarification of essential basics

- **D-M-A-I-C 2**
  Measure phase in detail: Swim-Lane, Value Stream Mapping, Makigami - What does process management look like in companies? What are levels?

- **D-M-A-I-C 3**
  Analyze phase in detail: Analyze cause-and-effect relationships Risk analysis FMEA, Ishikawa, SWOT

  Interaction: Makigami

- **D-M-A-I-C 3**
  Analyze phase in detail: Risk analysis, FMEA, Ishikawa, 5x Why FMEA as risk analysis tool, SWOT
- **Q&A Session** – Summary & clarification of questions

  Interaction: Ishikawa

Day 3

- **Recap** of the Define and Measure phase and clarification of essential basics

- **D-M-A-I-C 4**
  Improve phase in detail: Design implementation and training plan, implement and follow up 5S in companies

  Interaction: 5S

- **D-M-A-I-C 5**
  Control phase in detail: Graphical data analysis (time series plots, Pareto, histogram, scatter plot, spaghetti diagram) Process control charts and standard procedures, go-live support

- **Introduction to basic statistical terms:** Probability calculation, addition and multiplication theorem
- **Q&A Session** – Summary & clarification of questions

Day 4

- **Recap** of the DMAIC cycle

- **SSCD: ProcessSIM®**
  Part 1: Business game as a project replacement. Real business case. 1 month project is simulated in 1 hour real time.

  Interaction

- **SSCD: ProcessSIM®**
  Part 2: Business game as a project replacement. Real business case. 1 month project is simulated in 1 hour real time.

  Interaction

- **Exam: 17.00 -19.00**

- **Feedback & Completion**