

## Contents of Lean Six Sigma Green Belt *self-study*

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### What are processes?

- ✓ Background and history of Lean and Six Sigma
- ✓ The House of Toyota
- ✓ When to start a Lean project
- ✓ Which Lean project to start
- ✓ How to start a Lean Six Sigma project

### Organization of a Lean Project

- ✓ The role of line management
- ✓ The project organization
- ✓ Creating a leading team
- ✓ Stakeholder management

### Lean principle 1: What adds value

- ✓ The Voice of the Customer!

### Lean principle 2: Mapping the value stream

- ✓ The SIPOC
- ✓ The Flowchart
- ✓ The Physical Process Flow
- ✓ Value Stream Mapping (VSM)
  - Current State VSM
  - Future State VSM
  - Ideal State VSM

### Making a process measurable

- ✓ Critical Customer Requirements
- ✓ CTQ Flow down
- ✓ Measurement plan
- ✓ Assessing current process performance
- ✓ Lean Metrics

### Lean principle 3: Flow

- ✓ Quick Wins
- ✓ Eight forms of Waste (5-S, SMED, Line Balancing, Work Sequence, Standard WIP, Poka Yoke, Source Control)

### Lean principle 4: Pull

- ✓ Pull and push production (Kanban, Heijunka)



### **Six Sigma and the DMAIC approach**

- ✓ Collecting factors of influence (Ishikawa, 5x Why, Exploratory Data, FMEA)
- ✓ Selecting the right factors of influence (The Process Matrix, the Pareto Principle)
- ✓ Validating factors of influence

### **Lean principle 5: Perfection**

- ✓ Implementing and realizing improvements (Visual Management, Kaizen, Operational Management)

### **Successfully Changing!**

- ✓ Drivers for successful change
  - ✓ Creating support
  - ✓ Removing blockades
  - ✓ Dealing with resistance
  - ✓ Saying goodbye to the old
  - ✓ Servant Leadership!
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- ✓ Lean Design
  - ✓ Lean Accounting



### **Lean Six Sigma Zelfstudie**

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