

DETACO

# Lean / Six Sigma

Stefan van Duren

# Contents

- Definitions
- Lean
- Six Sigma
- Detaco Process Consultancy
- General Information

# Definitions

- Lean:** A production practice that considers the expenditure of resources for any goal other than the creation of value for the end customer to be wasteful, and thus a target for elimination
- Six Sigma:** A set of quality management methods used to improve the quality of process outputs by identifying and removing the causes of defects (errors) and minimizing variability in manufacturing and business processes (3.4 defects per 1,000,000)

# Lean

Lean recognizes eight different sources of waste:

- Defects
- Overproduction
- Transport
- Waiting
- Inventory
- Motion
- Waste of unused human talent
- Over processing

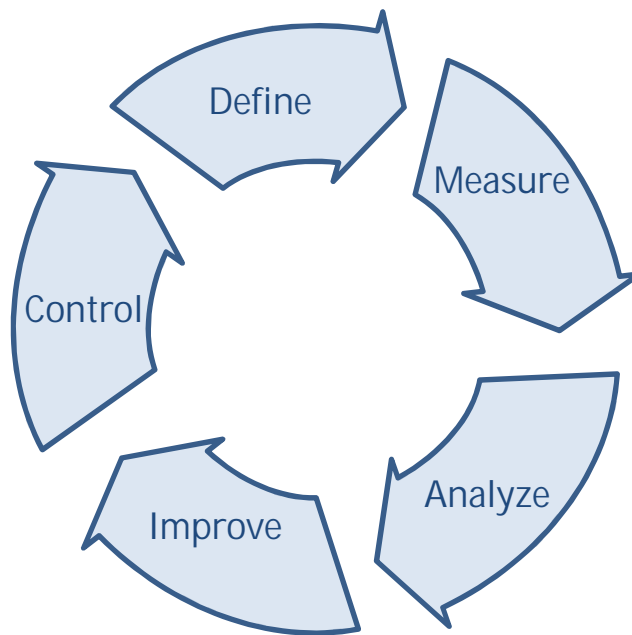
# Six Sigma

Six Sigma achieves the implementation of process improvements via the description and measurability of processes.

For resolving problems within processes Six Sigma uses the DMAIC-methodology:

- Define
- Measure
- Analyze
- Improve
- Control

# Six Sigma



**Define** – Defining the problem and identifying the project goals

**Measure** – Establishing key aspects of the current process and collect relevant data

**Analyze** – Analyzing the data to investigate and verify the cause-and-effect relationships

**Improve** – Optimizing the current process based upon data analysis (establish process capabilities)

**Control** – The implementation and control of the improved process

# Detaco Process Consultancy

1. Analyses of the current corporate processes according to the Lean methodology.
  - Description of the corporate processes and the sources of waste within these.
2. Defining the problem and the project, and establishing the causes of the problem.
  - Detailed description of the problems and causes within the corporate processes.
  - Suggestions regarding potential projects to be initiated.
3. Propositions of solutions.
  - Descriptions of the solutions to the problems, including cost-benefit analyses.
4. Detailed design of the proposed solutions.
  - Thorough design of the solutions required within the project and the related corporate processes.
5. Implementation of the solutions.
  - Managing the complete implementation of the renewed corporate processes.
  - Optional: providing training to the future users and documentation related to the processes.

# Detaco Process Consultancy

## **Lean methodology in relation to financial corporate processes**

- Focus on five sources of waste:
  - Defects
  - Overproduction
  - Waiting
  - Waste of unused human talent
  - Over processing
- Strategies for process improvements:
  - Centralization of administrative operations
  - Integration of control related activities (Business Intelligence)
  - Automation of financial corporate processes (Purchase-to-Pay, Order-to-Cash)
  - Optimization of financial resources (Working Capital Management)

## General Information

**Detaco B.V.**

Duinkerkeleaan 83

4875 CZ Etten-Leur

Telephone: 076-88 76 335

E-mail: [info@detaco.nl](mailto:info@detaco.nl)

**Stefan van Duren**

Process Consultant

E-mail:

[stefan.van.duren@detaco.nl](mailto:stefan.van.duren@detaco.nl)