



Six Sigma



Define
Definition and delimitation
of the project task

Control

Evidence of target
achievement and
sustainability of
solutions



Measure
Measurement of
the current process
performance and
boundary conditions

Improve

Implementation of
improvements



Analyze
Analysis of the solutions
found

Six Sigma

with the support of ZEISS Semiconductor Manufacturing Technology



Seeing beyond

€ 50,000

This is the average cost savings per project, as demonstrated by ZEISS SMT's many years of experience with Six Sigma.

The focus here is on the following measures, among others:

- Significant reduction in errors
- Reduction of manufacturing costs
- Savings in material input
- Increased yield
- Reduction in resource and energy requirement
- Avoidance of investment costs
- Shorter lead times

Feedback from supplier

Ralph Le Guin,

ASKEA Feinmechanik GmbH

"Effective measuring systems are a fundamental pillar underpinning the successful production of highly complex components. Up to this point, this is something that many people can grasp. The thought process becomes somewhat more complex when you explain that by eliminating non-measurable measurement processes, not only do you reduce lead times, you also have fewer rejects and complaints. We've proven this in several projects during our Green Belt training run by ZEISS SMT. Under this new standard, we can focus our resources even more effectively on value creation work, which is extremely worthwhile especially given the current staff shortages."

Dr. Sven Donisi, Rosswag GmbH

"Thanks to ZEISS SMT's Six Sigma methodologies, our projects achieved major improvements in surface roughness. The project results were able to considerably reduce testing and rework expenses. On top of this, unproductive times and the overall lead time have been significantly reduced. This has allowed us in turn, to lower our capital lockup."



“Quality comes not from inspection, but from improvement of the production process.”

W. Edwards Deming



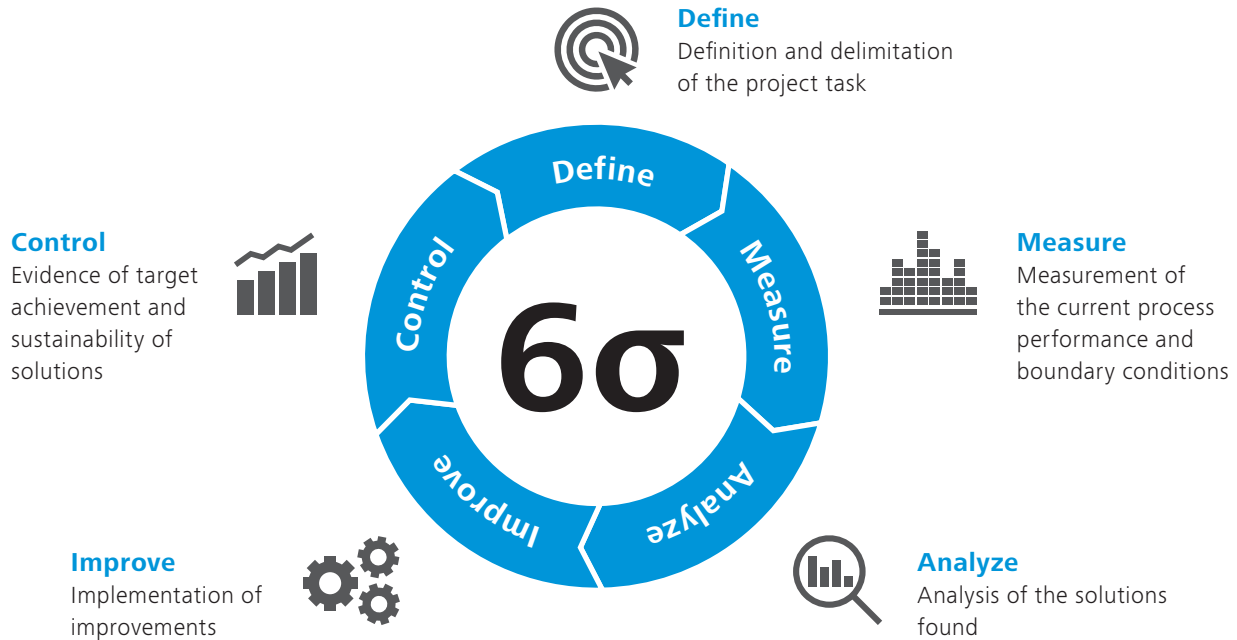
Good quality is essential for fulfilling customer wishes, retaining clientele, holding out against the competition, and ultimately saving costs effectively. Six Sigma is suitable for developing a culture of continuous improvement.

The beginnings of this methodology date back to the early 1980s. Motorola is considered the founding company of Six Sigma. The goal at that time was to position itself in a structured and methodical way against competition from the Far East and ultimately to hold its own.

Six Sigma has been adopted by numerous companies worldwide since the early 1990s. Six Sigma is now synonymous with a “zero defect culture”.

ZEISS SMT can look back on a history of more than twenty years with Six Sigma. Today, this philosophy has become firmly established as an integral part of improvement management – making it a vital aspect of company culture.

Six Sigma's objective is to achieve total customer satisfaction with maximum corporate success. Projects follow the DMAIC cycle where the relevant processes are systematically analyzed and then improved in five steps.



ZEISS SMT wants to enable its partner companies to solve internal problems independently. To this end, it is vital to teach the necessary methodological competence and successful handling of errors. It is also important to have a firm grasp of various methods and fundamentals of statistics so as to efficiently optimize relevant processes on a long-term basis.

The following qualification program has proven successful at ZEISS SMT:

- Green Belt training: 10 days theory
- Efficient training in small groups
- Coaching of all participants in a project
- Certification after successful completion by ZEISS
- Support from ZEISS SMT experts – also after the qualification program



We will gladly draw up a quote for you!

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