

PROJECT Vorschlag Nr. 2

Arbeitstitel

Implementation of Cost Analysis and Optimization Software Tool for Electronics

Ausgangssituation / Randbedingungen / Zielsetzung

Improve product value and reduce total cost for OSRAM is a major goal of Cost-Engineering. Target is to enhance the approach of strategic cost analysis with specific technical expertise to improve product value and cost, by applying a dedicated set of cost and value levers.

Benefits for our business:

- reduces material cost
- provides production technology expertise
- improves supplier productivity
- collaborates with cross-functional partners in design optimization

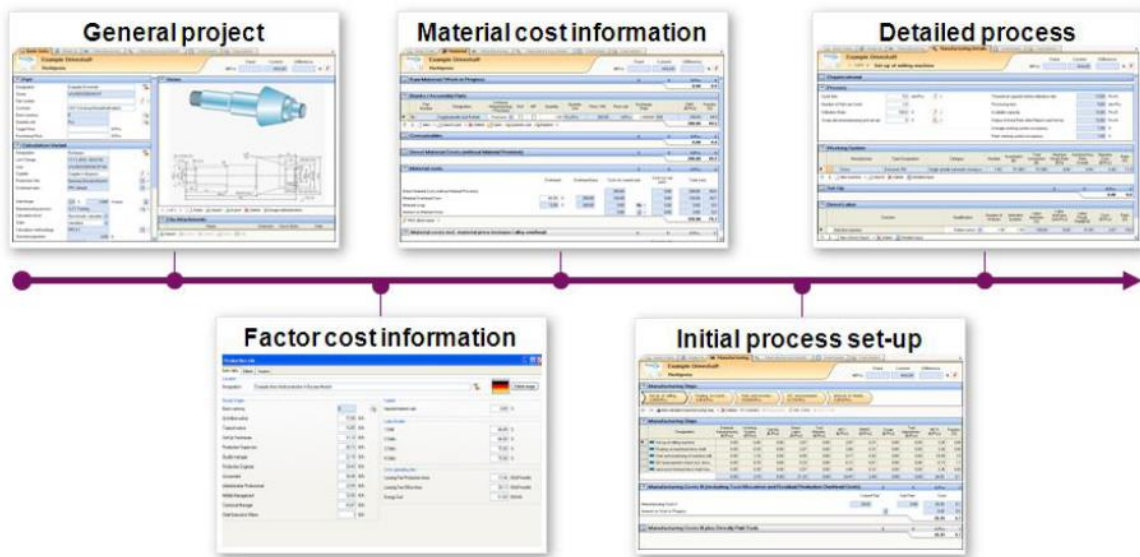
The Cost Analysis and Optimization approach provides cost transparency in all details of the manufacturing process – this serves as a basis for targeted optimization of the suppliers, productivity, our product specification and help to push negotiations based on real prices instead of market prices.

Products and process costs must be evaluated in detail before starting new product proposals. This has to be done always under the consideration of TCO (Total Cost of Ownership) with the support of the **Cost Analysis and Optimization Software Tool which need to be implemented within that IPA Project for Electronics.**

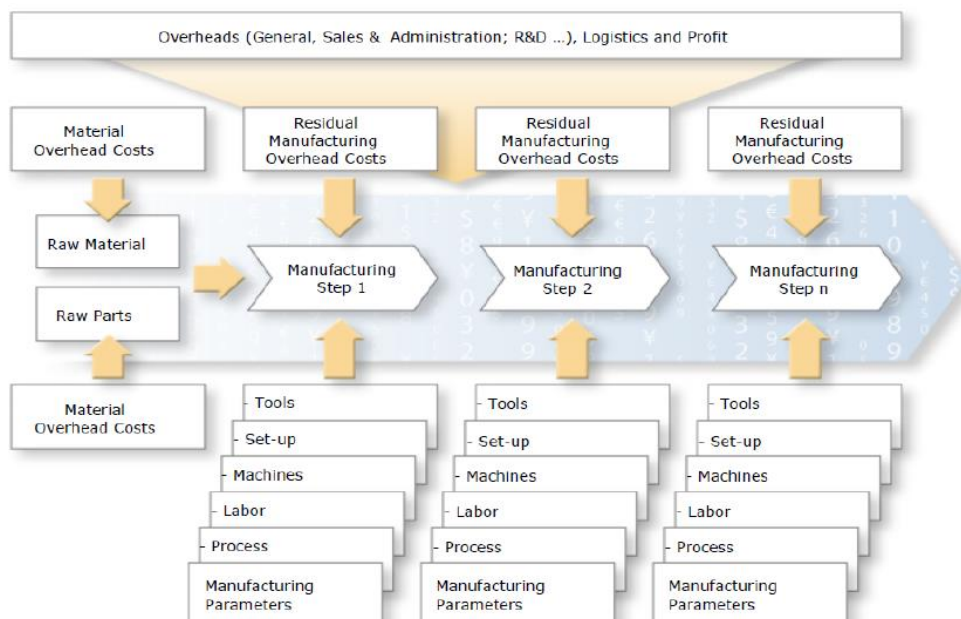
Arbeitspakete

Implementation of Cost Analysis and Optimization Tool for Electronics

- Analyze Current available Cost Analysis and Optimization Tool
- Create Overview for Data need to put in the tool for Product Cost Management:
 - General Project Electronics
 - Material Cost Information
 - Detailed Process Information
 - Factor Cost information (Location, Salary, ...)
 - Initial Process Setup



- Define Template to fill Product Requirements, Material Cost & Process Data.
- Definition of Alignment-Process of Product Requirements vs. Manufacturability between R&D & Manufacturing
- Calculation Build up within the Software Tool with Manufacturing Steps



- Prepare & Define Standard Cost-Material-Process comparison TCO Output of the Software tool
- Evaluate & Negotiate with external Suppliers detailed Output Results of the Tool based on Processes defined
- Align with OSRAM R&D and Purchasing on test plan of the software tool (based on existing product approval process) / Setup of Test Matrix
- Prepare Management Presentation

Lösungsansatz / Aufgabenstellung

Phase 1:

Analyze: Current available Cost Analysis and Optimization Software Tool, Define Templates to fill Product Requirements, Material Cost & Process Data, Cost Calculations for TCO Decision

Phase 2:

Execution: Output Definition for Comparison, Evaluate & Negotiate with external suppliers, base on Sample Products, Final Presentation

Standort

OSRAM / Garching bei München

Unterschiedliche Lieferantenbesuche

Besondere Anforderungen

MS-Produkte (vor allem Excel, Powerpoint)

Gute physikalische Grundkenntnisse

Offen für neue Software Applikationen

Ideale Teamgröße: 2-3 Studierende