ro.lab consulting®

Key value for organizations

Component Production

- Full transparency on **cost structures** and emissions
- Faster and more accurate **should-cost** modeling
- Identification of saving and optimization opportunities
- Stronger negotiation position with suppliers
- Acceleration of **procurement digitalization**

Optimizing Cost & Carbon Footprints

ro.lab consulting® provides:

- Granular cost breakdowns (e.g. ICs, IGBTs, PCB, connectors)
- Component-level CO_2 footprint transparency
- Identification of cost and emission hotspots
- Data-driven insights to optimize sourcing, design, and supplier selection

This enables:

- Reduction of material and component costs
- Lower product carbon footprint (kgCO_2e)
- Improved design-to-cost and design-to-sustainability decisions

working together for optimal results

The collaboration between **ro.lab consulting®** and **costdata®** combines deep product-level analysis with market-based cost intelligence to create a holistic view on PCBA optimization.

Together, it enables a seamless transition from technical product understanding to actionable cost and benchmarking insights. Companies benefit from a consistent, data-driven foundation that connects engineering, procurement, and controlling.

The result is a powerful synergy: faster and more accurate should-cost modeling, transparent benchmarking, and clear identification of savings and optimization opportunities- turning complex product data into measurable business impact.

costdata

Data

- Reliable database
- Regularly updated
- Comprehensive information on global industries
- Labor cost data
- Raw material data
- Machine data
- Overhead cost structures

Software

- For all industries and requirements
- Full cost calculation with machine hourly rate
- Precise modules
- Detailed reporting
- Quick and easy installation

Consulting

- Transparent product cost calculation
- Analysis of each cost component
- Cost optimization
- Teardown analyses
- Workshops and training