

Overview Services:

Resource Efficiency

We support you to achieve resource efficiency by

- Analyzing the flow of your production processes;
- Determining potential savings;
- Developing and implementing solutions to realize these savings.

We support you using methods of systems engineering that can be applied in any industry, to analyze your production processes; we apply advanced methods of calculating costs, so that we cannot only detail actual costs, but can enumerate potential savings; and we apply techniques to systematically find all solutions to realize these savings. Finally professional methods of project management and our know how in many areas of process and production technology guarantee an efficient and successful realization.

A mutual project may contain one, some or all of the following steps. Of course, we match the scope of our services in each step to satisfy your specific demands:

1. Definition of Objectives

- Determination of the production flows for the investigation
- Eventually setting a focus on particular materials or energy carriers

2. Analysis of Production Flows

- Determination of the material and / or energy flows in the production process
- Determination of the related information flows and documents
- Detailed illustration of all branches of these flow and particularly of all unused branches
- Determination of potential savings, which can be realized by reducing these unused branches

3. Finding Solutions to Realize the Savings

- Ranking the potential savings
- Systematic generation of possible solutions to realize the savings
- Determining the costs for the possible solutions
- Ranking and selection of the possible solutions according to their cost - effect relation

4. Realization of the Selected Solutions

- Support in formulating the supplier specifications for the realization of the selected solution
- Selection of suppliers to implement these solutions
- Project management to realize the solutions
- Support in updating of all relevant documents:
Supplier specs, process and product documentation, etc.
- Training of Personnel
- Additionally:
Technical optimization of critical production processes
(See our service information [Optimization of Production Processes.](#))

Funding

We can find the optimal funding for mutual projects and can carry out application and coordination.