

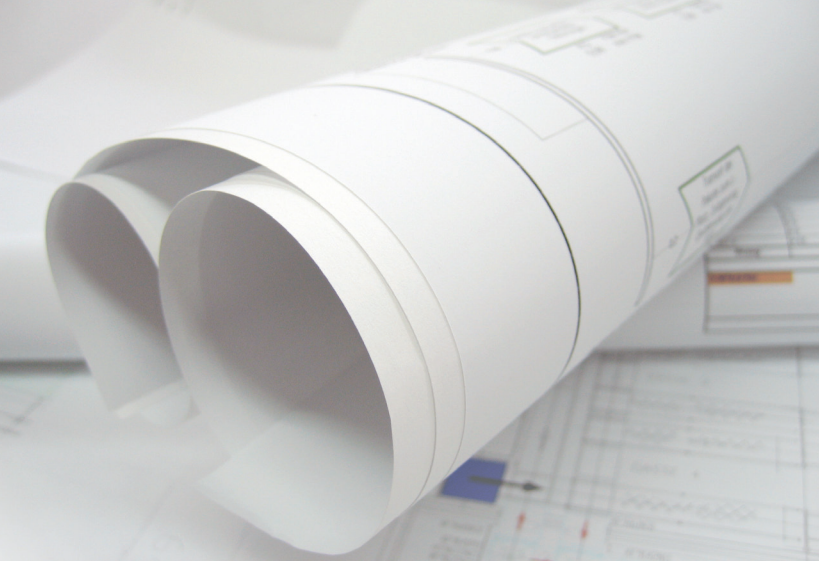


Fraunhofer
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FRAUNHOFER INSTITUTE FOR MATERIAL FLOW AND LOGISTICS IML

ENTERPRISE PLANNING





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Products, markets and customer requirements are characterized by constant changes. The secret of successful enterprises is the regular redefinition of objectives and the flexible adjustment of existing business and logistics processes. For this Fraunhofer IML supports enterprises with useful tools, tips and methods.

Transparency is a must

The present economic situation forces enterprises to continuously analyze their business processes and to redefine their objectives in order to remain competitive in the long run. Only those companies having the necessary overview can achieve these goals. The Fraunhofer IML supports to master this challenge with the process chain method for presentation, calculation and optimization of processes. For this purpose they need methodical tools for the simple and structured documentation and communication of business processes from the operative level up to the management. A perfect solution is Fraunhofer IML's process chain tool for the presentation, calculation and optimization of processes. This method enables the easy documentation and communication of business processes from the operative level up to the management.

A holistic perception

The operative processes have to fit the business objectives. In order to save costs and time, at first the complex system of processes, manpower and technology has to be analysed. For this task Fraunhofer IML uses process and system-oriented approaches to study the operative processes in depth – while always having the overall system in mind.

Studying complete supply chains

Analysts and optimizers of logistics processes have to look beyond the borders of their own company. A large part of the industrial added value is created in complex supply chains and cooperation networks – from the producer of raw materials to the supplier and manufacturer up to the final customer. Fraunhofer IML develops tools and methods which can be used to optimize supply chains beyond business borders and harmonize the interests of different supply chain partners.

Our services

Optimization of business processes

The optimization of business processes includes the recording and visualisation of actual business processes by means of process chain methods. The project team then searches the resulting data for weak points and proposes improvements. The aim is to develop target processes and concrete measurements which are finally to be implemented.

LogiChain – making process costs more transparent

A modern logistic controlling requires transparent business processes, costs and cost drivers. Fraunhofer IML's answer to this challenge is the software LogiChain. LogiChain allows the easy visualization of processes and a detailed costing.



Inventory management – stocks in balance

Fraunhofer IML developed inventory management methods which – depending on the consumer behavior – find the best disposition procedures for each article. With our approach competing business objectives are balanced so that costs can be reduced drastically in line with an increased readiness for delivery.

Outsourcing consulting – outsourcing made easy

To guarantee for the success of an outsourcing project from the start our experts assist tenderers as well as bidders throughout the complete outsourcing process. Clear, strictly calculated tender and bidding documents, independent awarding procedures and support during the contract preparation are the basis for an efficient partnership between client and consignee.

Factory and layout planning – production in flow

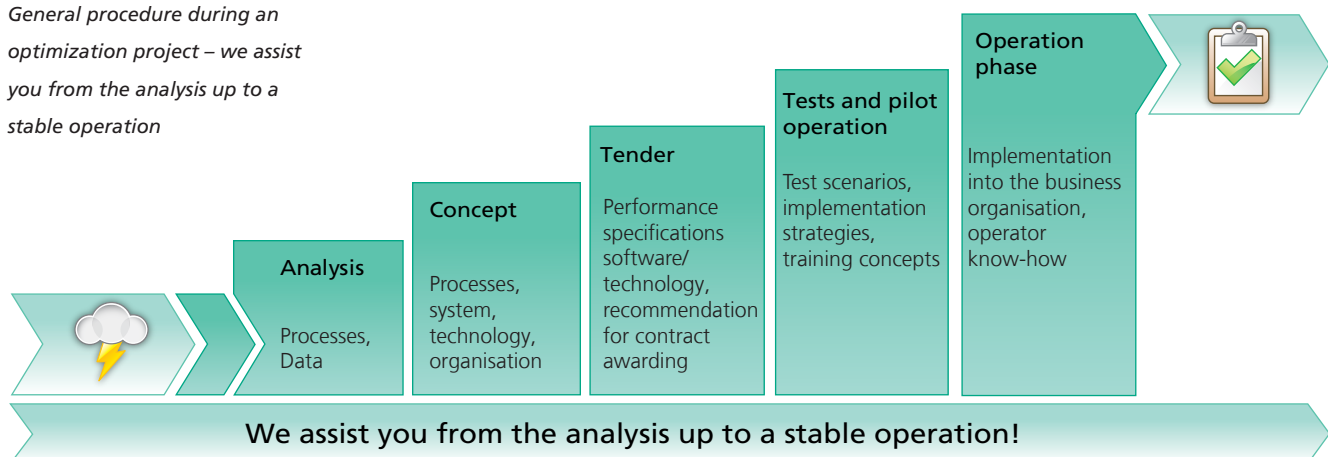
Since factories are subjected to constant changes today, the arrangement of the production space has to allow smooth and flexible material flows.

Fraunhofer IML plans and improves the arrangement of buffers, machines, workstations, and storage areas with the aim to utilize the available space optimally and to avoid unnecessary transports in the scope of optimized processes.

System planning – synchronizing logistic systems

System planning includes the holistic analysis, planning and conception of all logistics systems within an enterprise. With Fraunhofer IML's methods and tools the different logistics functions can be harmonized in order to optimize the overall system. This also requires the complete, cross-functional planning of the warehouse, order-picking technology, material flow and transport with regard to the processes as well as to the choice of technical devices.

General procedure during an optimization project – we assist you from the analysis up to a stable operation



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