

Planning and Optimization Production Process

Optimizing return on investment during the build-phase

[Home](#) › [Services](#) › [Greenfield/Brownfield Investments and Market Entries in Germany](#) › [Planning and Optimization Production Process](#)

Optimizing return on investment during the build-phase involves effectively managing costs and ensuring timely completion of tasks.

Your key questions, challenges and objectives



- Planned output and production mix (flexibility planning)
- Work content per product
- Compliance requirements
- Level of automation and transparency (digitalization and automation)
- Strategic plan for future years (expansion plan)

How we support



- Production layout and flow planning
- Identification and implementation support of production technology and automation solutions
- PMO during the plant erection and manufacturing ramp-up to optimization process
- Development of a production strategy
- Process design and optimization (incl. standardization) and system data integration (e.g. MES)
- MES & IoT (industry 4.0) implementation and integration in work processes



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Examples of relevant credentials

Pre-phase – Site selection and state subsidies

Pre-phase – Other

Build phase – Core business

Build phase – Support processes

Support During Plant Erection

Footprint analysis, service provider tender, design support (functional goods flow and lean optimized layout) as well as PMO during the built of a green field plant for an injection molding company in the food industry

2017 – 2019

Plant Relocation & Consolidation

Plant cost and utilization analysis, design of new layout and strategic alignment, planning, tender and execution control during line disassembly, transport and re-assembly

Ramp-up and optimization project

2021 – 2022

MES & IoT Implementation

Implementation of a manufacturing execution system across 18 plants with online KPI cockpit, OI module, production line-planning and staff planning, creation of interactive human-system connections to utilize human resources more efficiently

2015 – 2018

Smart Inspection and Overhaul

Installation of multiple sensors and an early warning system to identify line and machine breakdowns prior to the event happening, implementation of an automated spare part ordering system, inspection plans and automated task assignment to repairmen and technicians

2014 – 2016

Manufacturing Efficiency Increase

Value stream mapping of production and support processes, identification of low performing processes (incl. internal and external benchmarking), development of improvement measures in process, system and technology to improve cost, throughput time and production quality

Ongoing