Handbook Factory Planning and Design

- Concise overview of manufacturing and logistics systems, as well as factory buildings and services
- Introduction to changeability and application of change enablers
- Proven guideline for the factory planner from goal setting to ramp up with the help of check-lists, tables and graphical illustrations
- Description of integrated project management followed by facility management with due consideration for professional, organizational and environmental concerns
- Case-studies and examples of changeable and communication friendly factories

This handbook introduces a methodical approach and pragmatic concept for the planning and design of changeable factories, proven in many industrial projects.

In the first part, change drivers of manufacturing enterprises and the resulting new challenges are considered.

The second part concerns the design of the production facilities on the different factory levels under functional, organizational, architectural and strategic aspects considering environmental, health and safety aspects.

The third part is dedicated to the planning process that is based on a synergetic interaction of process and space. The accompanying project management of the planning and construction phase and the facility management for the effective utilization of the built premises close the book.

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