Factory planning

Perspektives. Standards. IT
Factory planning

What advantages do you derive from it?

The development of products with a shorter lifespan requires a complex investigation of the activities of factory planning and very often parallel activities of product development and manufacturing planning.

How do we support you in this?

The arxes Information Design Berlin GmbH plans your factory from building and building services technology through the layout planning for the machinery and equipment to the planning of storage and transport. In coordination with you we optimise the concepts and maintain or implement the resulting solutions.

Only when the manufacturing of your products runs to your full satisfaction do we consider our work as completed.

Our Services

In coordination with proven and reliable partners we offer the following services:

- Analysis of the current state of manufacturing
- Design of manufacturing processes
- Planning of material flow and internal logistics
- Manufacturing layouts
- Planning of the buildings from the design of the architect to construction planning
- Planning of the building services technology, e.g. ventilation, heating, sanitary facilities etc.
- Schedules of specifications and data sheets for machinery
- Planning of the supply media, e.g. compressed air, shielding gases, cooling water etc.
- Selection of suppliers
- Supervision of the construction
- Coordination of supply, installation, commissioning and acceptance of machinery
- Production of a qualifications plan and training
- Conclusion of service contracts
1. Analysis
In an early phase of a project a workshop is held. This serves primarily the purpose of becoming acquainted with the persons responsible for the project from all parties and a precise definition of the objectives.
- General planning business processes
- Determination of technology
- Advice concerning organisational matters

2. Conception
This phase is used for the synopsis of the results, illustration of possible alternatives for solutions and finally the formulation of the planning documents.
- Production of the documents regarding permits
- Planning of the technical equipment for the building
- Structural planning
- Planning for plant- and building structure
- Architectural design
- Layout planning

3. Rough and detailed planning
On the basis of the most favoured solution concept and the customer’s decision the detailed planning is carried out with the following emphasis:
- Coordination of the logistics for the supply of the facilities and equipment.
- Calculations
- Invitations to tender for structural and finishing assemblies / TGA
- Simulation of the factory processes

4. Realisation
The agreed concept and the developed approaches are the basis for the implementation of the aimed-for solution:
- Processing of the implementation plans in accordance with set milestones
- Construction management / Construction supervision
- Coordination of all work processes
- Continual operational process monitoring
- Property supervision
- Coordination of health and safety on the building site