

We care about the whole



Competence around factory planning...

With the top target of improving the stability of processes in grown structures, it is sometimes necessary to gain additional space by a new factory building.

Planning of a new factory building

● The customer

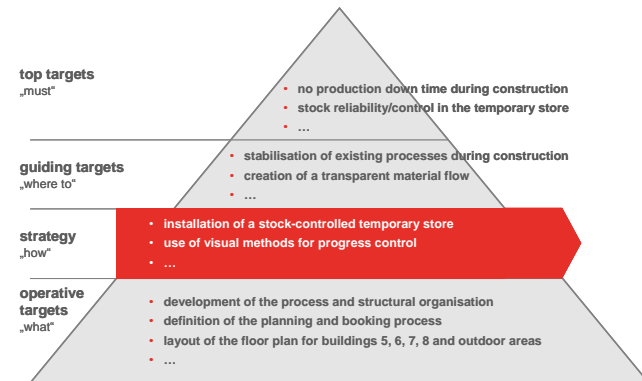
- Medium-sized automotive supplier and component provider for the manufacture, lacquering and assembly of plastic add-on components in the range of small and medium series

● Starting situation

- Missing process stability – logistic problems
- High inventories and limited space
- Increasing number of products and variants

● Objectives

- Improvement of logistics handling and the process reliability
- Reduction of logistic and inventory costs
- Development of a best-practice layout for the new factory



Target pyramid

Designing the factory building according to product and process requirements can create a forced spatial control of logistics and thus increase process reliability.

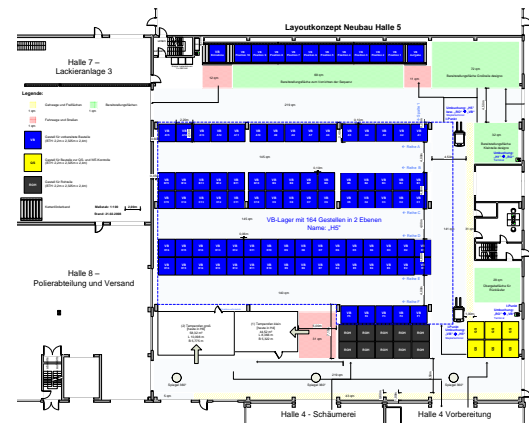
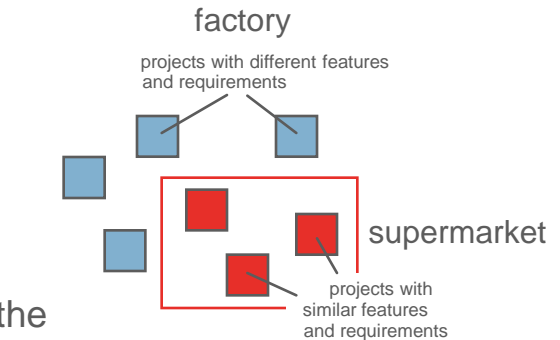
Planning of a new factory building

● IAP approach

- Analysis of the material flows (sources and sinks including volume streams) and listing of the production and logistics floor spaces needed
- Simulation of the inventory development depending on the production lead time
- Development and evaluation of layout variants to define the building structure
- Design of the logistics processes and floor spaces
- Calculation and dimensioning of the best-practice production areas

● Customer value

- Process-oriented building structure and layout plans
- Calculation of the floor space needed for logistics and production according to the specific product and process requirements („factory“ or „supermarket“)



Logistics layout of the new factory building



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