

Logistics Planning and Consulting Smart Intralogistics Solutions





Logistics Planning

Identifying Saving Potentials

Precise calculation

A precise calculation considering all conceivable parameters, absolutely transparent calculations and communications focused on transparency with our customers, these are our most effective tools. The result: highly efficient processes that cover the flow of materials, productivity and just-in-time management in all areas at the best. During this process, we examine cost-effectiveness and performance, analyze factors which can influence them, and consider material, staffing and time-related factors. The solution does not only have to meet the current requirements of intralogistics, but rather must be able to react and adapt flexibly to future developments.

Standardized processes

Despite all individuality a new challenge demands, the processes to find a solution are always quite similar. The key to success in particular consists in adhering strictly to the well-established steps. When newly developing a logistics planning we therefore run through the same steps to be able to present our customers the optimum overall solution at the end of the day.

Data Acquisition - On-Site-Recording

Planning starts with a close dialogue with our customers during which we determine the requirements to the logistics system.

Key performance indicators - Incoming goods area

- Number of employees, shifts and working hours
- Number of incoming deliveries a day
- Delivery as pallets, cardboard boxes or various loading/storage aids
- Number of pallets or cardboard boxes a day
- Registration of batches / expiry dates
- Quality check
- Number of suppliers
- Cross docking

Warehouse status report

- Assortment (number of articles, article groups, nature)
- Dimensions, article measurement
- Weight
- Storage capacity in terms of storage locations
- Packaging unit
- Quantity per packaging unit
- Article classification (ABC)
- Range of coverage due to delivery times

Key figures - Order picking

- Number of orders per day, pick and pack performance
- Distribution of order positions
- Delivery notes per day
- Order throughput times
- Manpower capacity and working hours
- Consideration of diurnal variations

Parameters - Shipping

- Number of consignments per day
- Average consignment size: Number of packages
- Weight and volume
- Self-collectors and over the counter business (OTC)

Special processes

- Returned goods
- Generation of assemblies and sets
- Creation of sales units
- Special processing e.g. labelling, special units
- Sales packaging and promotions

IT concepts

- Database solutions
- Warehouse management system and material flow control
- Order controlling in the order picking system (e.g. terminal, pick-by-voice, pick-by-vision)
- Interfaces to other IT-systems
- Requirement specification
- IT hardware components

Development of the concept

- Influence of storage and order-picking strategies
- Analysis of system load and breakeven performances
- Capacity expansions
- Checking and eliminating bottlenecks
- Development of modern workplace concepts
- Material flow planning and system layout

Comparison of variants and Benchmark

- Presenting different solution approaches (variants)
- Listing possible assembly section designs including capacity and/or performance indicators
- Manpower requirement of the variants
- Cost-effectiveness of the variants
- Result of logistics planning: concept = basis for investment decision

Holistic support

- Simulation and Emulation
- Interfaces to the building
- Fire protection and domestic engineering
- Scheduling and planning of relocation
- Space requirements

Your benefit

- You receive all layouts, calculations and detailed descriptions of the processes. Upon request we prepare comprehensive, complete tender documents.
- With these documents you are prepared to evaluate offers of suppliers and to compare our offer with other logistics concepts



Transparently visualizing complex processes

From the „AS IS“ analysis to the desired state

Based on the actual state analysis we develop step-by-step our solution to get the desired state, leaving during logistics planning still enough room for further growth. Because the capacity limit of a production unit is reached more quickly than you might think. Quite some companies were surprised by their own success such that the previous logistics planning could no longer keep up with the growth. This cannot happen to our customers because we exactly know what it takes to ensure a responsible and sustainable logistics planning. Any conceivable scenario which has to be considered during logistics planning is examined precisely. A responsible logistics planning does not only include linear growth forecasts, but incorporates also exponential growth, sudden demand peaks or seasonal business. Likewise, also sales collapses, market change or changing customer requirements are quite normal factors that have to be taken into account. Neither building up unnecessary over-capacities nor working permanently at the limit - with a logistics planning elaborated by Klinkhammer you will be always on save grounds.



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