

# LOGISTICS OPTIMIZATION

## ANALYSIS AND OPTIMIZATION OF THE INTERNAL MATERIAL FLOW



### YOUR ADVANTAGES AT A GLANCE:

- Recognition and realization of optimization potentials
- Reduction of throughput times and increase of the warehouse productivity
- Increase of the picking performance, combined with an increase in effectivity
- Avoidance of losses
- Design of optimum and future-proof logistics processes
- Knowledge transfer and know-how from many logistics projects

The material flow plays a decisive role in all transportation processes of internal and external logistics. Last but not least, the material flow with its time and cost-intensive factors is a major cost driver.

The goal of analyzing the material flow and the processes is the recognition of weak points and potentials for improvement. Here, it is especially important to identify the cause of the problem to be able to design and implement a holistic and future-proof solution for the material flow.

With Ehrhardt + Partner Consulting, you can optimize your internal logistics – from goods receiving to goods dispatch – with an independent and holistic approach. For us as your neutral partner, independence from suppliers and individual project implementation are a matter of course.

**We would be glad to support you in planning and executing a material flow and process analysis. Afterwards, we will be at your disposal as a competent, neutral and independent partner for the implementation.**

## IDENTIFYING POTENTIALS – INCREASING PROFITS. 4 STEPS TOWARD IMPROVEMENT

### ■ DEFINITION OF REQUIREMENTS

At the beginning, the requirements concerning the material flow and the process analysis are defined. This allows to check the achievement of goals after the implementation. In addition, a concept is established and the functional warehouse area to be analyzed and improved is determined. The determination of this area can, among others, be carried out within the frame of a weak point analysis.

### ■ MATERIAL FLOW AND PROCESS ANALYSIS

The analysis is based on an inspection of the area and a questionnaire with which all required data and information can be analyzed in detail. The analysis also involves the employees working in this area, which makes them active participants. This creates acceptance, because the employees can usually recognize and identify weak points and optimization potentials immediately.

### ■ EVALUATION AND ELABORATION OF OPTIMIZATION PROPOSALS

After the analysis, the data can be evaluated. Depending on the request, the material flow can, for instance, be represented as a value stream providing the relevant information. One important factor is the provision of material and information in the correct quantity and at the right time. Based on the evaluation, specific proposals can be made for optimizing the material and process flow.

### ■ SELECTION, IMPLEMENTATION AND MONITORING

The last step consist of the selection and the implementation of the proposals. In case there are several proposals, they can be compared within the frame of a benefit analysis. After selecting the most suitable proposal, the implementation can begin. One factor of success is the implementation plan, which includes all work steps required for a successful implementation. An early definition of the requirements later allows to check the achievement of the project goals. Deviations can be recognized and corrected immediately.

