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Increasing Efficiency in Intralogistics: Optimization by Digital Twin Simulation

Illustration of how a digital twin simulation tests various logistics strategies to determine the most cost-efficient warehouse configuration.

Strategic Levers of Logistics

Intelligent Storage Strategies

Choice between methods
such as single-item storage, dwell time optimization, or practical forklift simulation.

Strategy Excerpt: S1, S4 & S6
Optimization through single-item storage (S1), dwell time coordination (S4), and realistic forklift prioritization (S6).

Dynamic Warehouse Routing
Strict control by crop/product type, batch size, or flexible random distribution for maximum capacity utilization.

Digital Twin Simulation

Virtual representation of the warehouse, taking into account real input and output.



Identification of the optimal combination of storage tactics and warehouse configuration.

The Path to Cost Optimization

Strategy-Warehouse





Minimization of Handling Costs

The central KPI for measuring and ensuring economic success.