

CASE STUDY

PROJECT SPECIFICATION

New Distribution Centre Set Up
and Operations Launch
(Czech Republic)

INDUSTRY

Automotive / Plastic production

SCENARIO & GOAL

The client is Tier 1 supplier to carmakers like Audi, BMW, VW, JLR, Skoda, Porsche. The goal was to establish entire set of warehousing internal logistics processes and activities from scratch in a brand-new warehouse building, implementing them and finally supervising the warehouse operations for certain period after going live, managing fluent goods and procedures transition from old warehouse building to the new one. Client expected and demanded to implement a modern facility design, supported by state-of-the art logistics technologies.

The project embraced several project activities in context of internal information and goods flow updates, related to cooperation of operational departments over the company participated in the project (Production, Dispatch, Orders Processing, QA). The main challenge was to spread process and workflow standardization over departments involved in the project, that was often considered as losing of flexibility, previously preferred in each particular task of the chain.

PROJECT OUTCOMES

- WMS supplier tendered, the system successfully implemented as a tailor-made tool, customised for the client's process map
- ERP system functionality upgraded and connected with the WMS, allowing automated transactions posting based on messages uploaded from the WMS
- Whse floor and space layout planned according to process needs, goods volumes and flow as a tailored solution (WMS-navigated, semi-automated forklifts operating in a Very Narrow Aisle rack system)
- Rack system supplier tendered, and racks layout customized in order to accommodate a large number of different pallet types and sizes, whilst still utilising the building volume and space as much as possible
- Handling and manipulation (MHE) technology needs planning, MHE technology supplier tendered (VNA system-navigated forklift trucks)
- 8.640 ppl (EUR pal standard) capacity fully functional warehouse delivered
- Whse daily operations supervised for a couple of months looking for potential bottlenecks, fine tuning of entire solution with solving of particular challenges or post-implementation issues



Old Warehouse

New Warehouse

Storage area



Goods-out / Despatch area



Goods Handling



Truck loading area

