

# Success Story



## NEW INTRALOGISTICS FOR GALVANISED FLAT STEEL



### Client

Wuppermann Staal Nederland B.V.  
Vlasweg 15, Havenno. 175  
4782 PW Moerdijk  
Netherlands



Ruud Knippels  
Head of Innovation & Development

We have implemented this project in collaboration with ABF in an exceptionally constructive way. Their continuous efforts in innovation and development have made this project a very positive experience for our company.

### [!] INITIAL SITUATION

- ▶ The inventory system for the management of coils and slit strips was to be completely replaced and expanded in coordination with the customer. **OneBase**<sup>®</sup>MFT – the modern WMS and transport control system for automatic and manual warehouses – was in demand.

### [👥] CHALLENGE

- ▶ The system replacement should be carried out within one year and on-going production and shipping should not be restricted by shutdowns.

### [💡] SOLUTION

- ▶ **OneBase**<sup>®</sup>MFT was adapted to the existing system interfaces, the logic in dispatch handling was expanded and a universally applicable handheld was introduced.

### [+] BENEFIT

- ▶ Continuous material tracking throughout the entire plant from goods receipt to paperless dispatch
- ▶ Increased process efficiency and improved expandability and maintainability of the system





Warehouse Management



Shipping solution

## EXTENSIVE INTRALOGISTICS RETROFIT

For 150 years, Wuppermann has been one of the leading companies in the processing and refining of steel and has developed from a steel processor, through the heat-to-coat hot-dip galvanizing process, into an innovation leader in corrosion protection. Wuppermann AG owns a total of five production sites in Europe and commissioned ABF GmbH at the Moerdijk (NL) site with an all-in-one solution for the modernization and expansion of the existing warehouse and production logistics.

The necessary system replacement included the control and management of the entire material flow, from the booking in of the coils at goods receipt to the supply of the production facilities and the shipping process. The management of the forwarders from the registration at the entrance gate of the plant premises, the automated assignment to the loading bay and the loading process with integrated photo documentation of the load securing were also improved in the course of the retrofit.

The new **OneBase**<sup>®</sup>MFT now manages and controls two automatic cranes and four coil carts. The interfaces to the existing hardware and system landscape were integrated without any changes. Furthermore, the new ABF connection to the SAP ERP system has significantly improved the efficiency of communication compared to the old system. The mobile **OneBase**<sup>®</sup>MFT Cockpit application for material tracking is

used in the areas that are manually operated with forklifts and cranes. This intuitively guides the operator through the loading process, which has been revised together with Wuppermann. Loading is trimodal with specially adapted loading processes on ship, train, container and truck.

In addition, the new system integrates the tendering solution introduced at the customer in the course of the changeover and, with automatic license plate recognition and improved, rule-based access restriction, optimizes the control of the entry gate and the assignment of trucks to the correct loading bay. The automated linking of the license plate with the transport ticket and the new optimization of the shipping process in the handheld application now enables a more efficient and paperless process.

The use of a now universal handheld, with integrated RFID and barcode scanner, in all production and shipping processes, reduces the number of applications and hardware to a single system. The handheld supplied by ABF also enables easier spare parts management and faster training.

ABF successfully replaced the legacy system with full operation and without any downtime of the production line - through simulation and multi-phase commissioning of individual subsections - in a project duration of one year to Wuppermann's complete satisfaction.

**ABF GmbH | Deggendorfstraße 6 | 4030 Linz**  
**+43 732 30 40 30 | office@abf.at | www.abf.at**



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