

FLEXUS

Your SAP Intralogistics Partner

FLX-TLS

FLX-TLS Material guidance
system for SAP®

Optimize your
in-house transports

THE INTRALOGISTICS SPECIALISTS FOR SAP®



FLX-TLS Material guidance system

- ✓ Better traceability of your flow of goods
- ✓ Higher utilization of your fleet of forklifts
- ✓ Dynamic management of tugger trains
- ✓ Reduction of empty runs
- ✓ Reduction of control requirements
- ✓ No more search times
- ✓ High usability with simplified design and system logic



The FLX-TLS - scalable from a forklift call system up to the complex Industry 4.0 platform

Central system for all requirements

The FLX-TLS Material guidance system does not only allow for simple and transparent management of your fleet of forklifts, the system also takes into account all existing resources that are necessary for the flow of material in a company. Features include the optimization of forklifts, tugger trains, employees with mobile terminals and also the optimization of in-plant truck traffic.



FLX-TLS Dashboard

FLX-TLS is a comprehensive approach for trans-sectoral management and for route optimization of flow of material. The guidance system minimizes empty runs. The software demonstrates its benefits in particular through the direct integration with SAP® ERP.

Efficient transport planning

The centralized order pool supplies the individual transport resources with the most efficient motion tasks. The built in and parameterized algorithms enable the route optimized use of vehicles and more efficient use of employees. The automated control of shipments is enabled by mobile forklift terminals, by handhelds when using barcodes or by the use of tracking technology. By using the Flexus Material guidance system, the entire transport processing will be automated to a certain degree and transparently displayed in the SAP® system.

It also includes the following core functions:

- Algorithms for the allocation of orders (reduction of empty runs, priorities, maturities, etc.)
- Integration of all in-house vehicles (e.g. tugger trains, forklifts, automated guided vehicles)
- Connection of all SAP-modules and non-SAP-modules (warehouse, production, shipping, organizational runs)
- The range of applications extends from simple Material guidance systems up to complex Transport Control Systems
- Real time navigation of forklifts for complex company sites
- Direct integration into SAP® (centralized and decentralized)



Modular and customizable

- Graphic planning tool for the predefinition of paths and routes
- Mobile management for processing of transport requests
- TLS-control station for management of transport requests
- Evaluation and dashboards for operating numbers

Extension modules for FLX-TLS Material guidance system

The components of the Flexus Material guidance system allows for a simple implementation and administration of the system. Manual changes of routes, of new transport resources or of roll outs to further company sites can be carried out easily.

- Integration of tigger trains
- Integration of handling unit management
- Integration of WIP warehouses in production
- Integration of 3D-tracking system with navigation
- Live 2D-dashboards of plant layouts

FLX-TLS route optimization with integrated Forklift Guidance System for SAP®

Areas of operation

The FLX-TLS Material guidance system can be customized, depending on the purpose of the application. The areas of application can be combined with each other.

- Application for management and optimization of warehouses, shipping and production
- Integration of the entire intralogistics
- Management of logistics centers / shipping centers with connection of the automated small parts storage area / narrow-aisle trucks
- Application for management of material flow in production (WIP warehouse control) including Handling Unit Management and Interim Storage Management
- Incorporating tigger trains, suspension trains, handling units and supply of supermarkets
- Optimization as add-on for SAP® MM, WM, EWM, PP, SD and extern systems



Tigger train management



WIP in production



Integration of tracking / 3D navigation



Production management



Handling inut management



Trailer management



Simulation tools



Integration of AGVs (automated guided vehicles)

FLEXUS – Your SAP® Intralogistics Partner

The Flexus AG has been your competent consultancy for process-oriented implementation of SAP solutions since 1995. We have a long-standing expertise in the SAP® environment with a focus on logistics.

Here we have created solutions in and around SAP® that implement industry-specific requirements in customizing and software, and therefore are able to achieve significant benefits for you.

We develop and implement mobile business strategies and Net-Weaver portal solutions which enables you to be already equipped today for the businesses of tomorrow.

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