FLX-TLS
FLX-TLS Material Guidance System for SAP®

Optimize your in-house transports

SAP® Premium Certified
Integration with SAP Applications
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.

Efficient transport planning

The centralized order pool supplies the individual transport resources with the most efficient transport 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 placing 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 ranges from simple Transport Control Systems up to complex Material Guidance 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 rollouts to further company sites can be carried out easily.

- Integration of tugger 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

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 material flow in production (WIP warehouse control) including handling unit management and Interim Storage Management
- Incorporating tugger trains, suspension trains, handling units and supply of supermarkets
- Optimization as add-on for SAP® MM, WM, EWM, PP, SD and extern systems
FLEXUS – Your SAP® Intralogistics Partner

Flexus AG is your competent consulting and development company for the process-oriented implementation of SAP® logistics solutions.

As certified SAP® partner, we have a long-standing expertise in the field of intralogistics. The Flexus solutions for SAP® intralogistics range from FLX-Yard Management, the FLX-Material Guidance System and the comprehensive portfolio for mobile apps with innovative technologies.