



# INTRANAV Real-time Transport Guidance System

## Process Reliability Through Indoor & Outdoor Localization

With the real-time transport system, you can guarantee the fully efficient use of your means of transport by leveraging dynamic transport control and automatic real-time positioning. The solution enables you to optimize your in-house transportation holistically and to monitor all movements in real time through the INTRANAV platform.

Transport job related calculations (such as priorities, routes and the forklifts' technical suitability) are automated to reduce search times, avoid empty runs and optimally utilize your resources. On the basis of the real-time utilization data, the comparison of key performance indicators (KPIs) and the initiation of planned scaling effects takes place.

### Overview of Features:

- ✔ 2D & 3D Live Tracking with  $\pm 10\text{cm}$  accuracy
- ✔ Route optimization and navigation
- ✔ Real-time capacity planning
- ✔ Color marking of the units to be commissioned
- ✔ Vendor independent fleet manager
- ✔ Central operation panel and order overview
- ✔ Reports, analytics & KPI Dashboards
- ✔ Sensor Interface for temperature, humidity, air pressure, shock, loading status and fork height



Smart Sensors and integrations



Auto ID & Asset Management



2D/3D Location & Navigation ( $\pm 10\text{cm}$  Accuracy)



End-2-End Track & Trace



Dynamic Order Pooling



Analysis and optimization

# Orientation and Route Optimization in Real-Time

## Continually Optimize In-House Transportation

With our real-time transport control system, all transport orders as order pools with their different priorities are optimized in real time with the respective availability and position of the available means of transport.

During this process, the assigned areas and the given KPIs as well as the resource properties are considered.

Our system is easily integrated into existing IT-systems (ERP/WMS) and utilizes state of the art technology, which guarantees a practice-oriented and positionally accurate means of transport localization indoor as well as outdoor. The limited accuracy of GPS localization and the inability to track indoors are gone.

Bring your means of transport on the right path and benefit from an innovative solution that combines dynamic order allocation, duplication, resource control, real-time monitoring and KPI optimization into a single system.



Seamless Integration into Your Existing WMS / ERP System

## Clients



## Your benefits

- + Control resources dynamically
- + Automated booking during entry & exit of the product
- + Reduced search times
- + Increased utilization
- + Avoid unnecessary empty runs
- + System-supported KPI optimization
- + Automate processes for the Industry 4.0
- + Adapt quickly to changes
- + Material flow optimization and traceability
- + Increased flow rate



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