Test our **EDGE RTLS IoT Solution**

INTRANAV**.IO**

Plug & play

Industrial Starter Kit

Logistics & Fleet management: Visualization and digitization of all warehouse asset and transport flows as a virtual warehouse. Scannerless identification (AutoID) and booking of incoming and outgoing goods in ERP/ EWM. Most efficient warehouse and transport utilization through optimal storage space allocation.

Production management: Continuous tracking of production orders, digitization of handling documents. Warehouse event triggers initiate follow-up processes and trigger automatic operation feedback in ERP/MES systems.

Load carrier management: Seamless real-time tracking and posting of containers, bins, and transport racks, indoors and in the yard. Dynamic container cycles simplify and accelerate intralogistics processes.

Safety management and collision avoidance: An adaptive routing system suggests a new transport route to drivers in the event of jams or high route utilization. Zone and condition monitoring increases employee safety.

Real-time location & sensor data analytics: Reports of material flow, route, zone utilization, and travel distances to optimize overall transportation & material flows. Export RTLS data to third-party tools such as PowerBI, Qlik or SAP.

Global Tracking Starter Kit

Yard management and scannerless outbound handling: Real-time overview of location information of assets, vehicles and people in the yard. Scannerless outbound dispatch. Safety management and collision avoidance.

Shipment management and condition monitoring: Condition monitoring of goods and deliveries, in case of deviation from target values and KPIs you will be informed immediately.

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INTRANAV.

NEXT LEVEL Production & warehouse logistics

[Industry-leading RTLS features]

Multi-RTLS-Technology Stack

Scannerless material transport

Global control and monitoring of the supply chain

Material, transport & production analyses

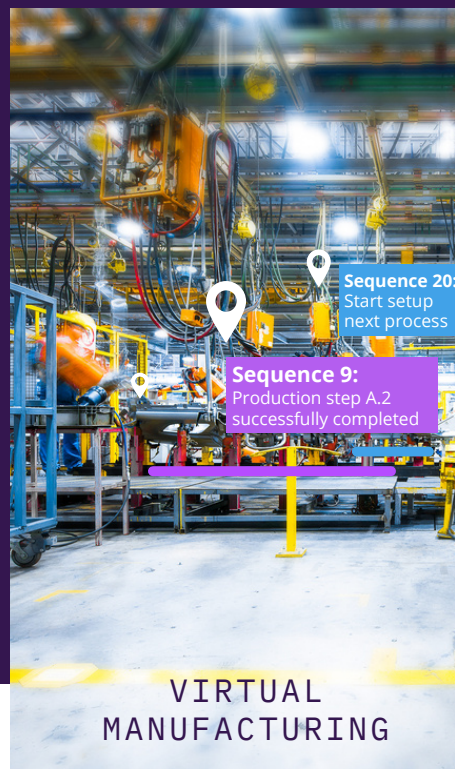**Open device integration. Enterprise Cloud or On-Premise.**

Award-winning, industrial RTLS performance
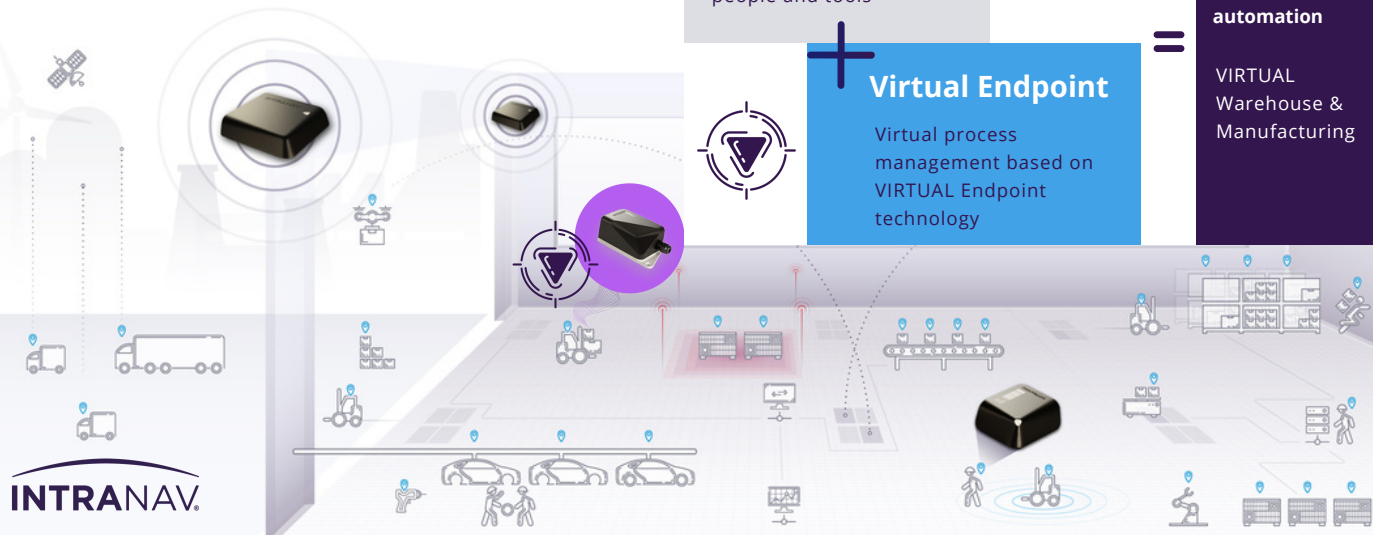
Real-Time **Digital Twin**

Connect, track & trace, automate

Dynamic process automation for software-driven factories, warehouses and supply chains.

INTRANAV → **ERP**

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VIRTUAL YARD

Sequence 20: Start setup next process

Sequence 9: Production step A.2 successfully completed

VIRTUAL MANUFACTURING

VIRTUAL PALLET

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VIRTUAL WAREHOUSE

www.intranav.com

Industrial digitization through real-time location:

Process Automation - Virtualization - Visualization

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Digital Twin

Track & trace of objects such as assets, vehicles, people and tools

+

Virtual Endpoint

Virtual process management based on VIRTUAL Endpoint technology

=

INTRANAV.

Dynamic process automation

VIRTUAL Warehouse & Manufacturing

Benefit from true values

Higher overall plant productivity through optimized material flow utilization (OEE)

Reduced throughput times thanks to automatic, scannerless updates (AutoID)

Save time and reduce search efforts through precise real-time location

Transport optimization through transport orchestration, navigation and collision avoidance

Error prevention during material handling through automatic sequencing feedback
Process interlocking, plausibility checks and alerts

Industrial application areas

LOGISTICS

Scannerless identification and intelligent guiding of transport of goods

- Automatic identification (AutoID) and posting in ERP/EWM
- Scannerless goods transport with digitized forklift fleets and electric pallet trucks
- "Fleet Manager" for navigation, adaptive route guidance and collision avoidance

PRODUCTION

Process automation through controlled material handling

- Process sequence tracking at assembly lines and automatic cycle feedback into the PP
- Sequencing monitoring: automatic (scannerless) plausibility check of components
- Cycle-related event triggers
- Dynamic line feeding with tugger trains

SUPPLY CHAIN

Global tracking and control of transport fleets and shipping of containers and bins
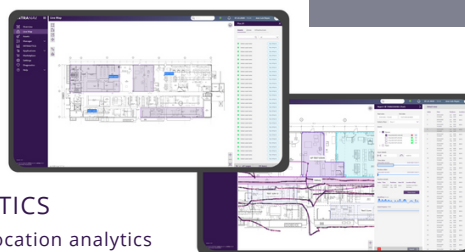
- Increased transport security and theft protection through condition monitoring
- KPI board for monitoring critical shipping routes

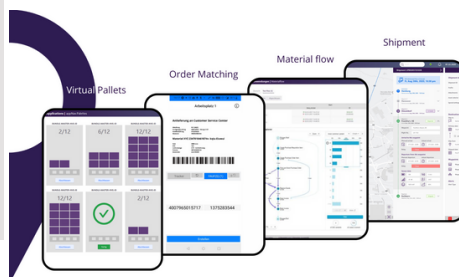## INTRANAV EDGE IOT RTLS SUITE

On-Premise or for the cloud

INTRANAV.IO
Industral IoT RTLS platform
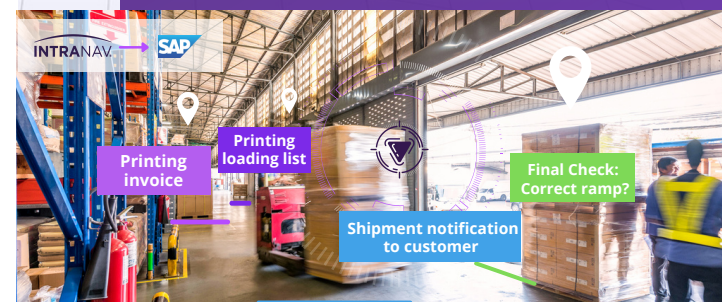
INTRALYTICS
Real-time location analytics

Virtual Pallets · Order Matching · Material flow · Shipment

INTRANAV.APP
INTRANAV.**IO** RTLS platform applications for Industry 4.0

INTRANAV.RTLS & E-Ink Displays
Multi-technology Real-time Location System

QUALITY CONTROL
REQUEST

Partner

SAP · GERMAN EDGE CLOUD · Wirepas · chipolo

MHP A PORSCHE COMPANY · umlaut · FLEXUS Ihr SAP Intralogistik Partner · ROI ☰ EFESO MANAGEMENT CONSULTANTS

INTRANAV. → SAP

Printing invoice

Printing loading list

Final Check: Correct ramp?

Shipment notification to customer