Cloud Solution

INTRANAV Yard Management

"Parking Space" virtualization: Outdoor tracking & sensor data monitoring of the vehicle fleet or assets for a great overview of the **yard & field**

Transparency of stand positions and transport routes in the yard

The time-efficient and safe disposition of the yard poses many challenges. **INTRA**NAV Yard Management supports you in the transport & flow of goods handling of your outdoor area with GPS live tracking solutions, be it for tracking vehicles, equipment or freight. Outdoor location positions can be retrieved in real-time and can be found and tracked via our **INTRA**NAV.**IO** IoT platform via Live Map. Thus you always know where each vehicle or asset is located.

Reduction of manual search times

Every lost or inaccessible vehicle causes delays in starting and finishing a job. Drivers have to find the right model or product from dozens of vehicles. With **INTRA**NAV.**GPS** tracking, these can be found directly.

Avoidance of traffic jams

Often adjacent vehicles or products have to be moved to gain access to the actual object. Positions are shifted and clogged, traffic jams occur, which can be avoided by **INTRA**NAV track&tracing.

Control system to the designated loading ramp

Vehicles can be navigated to the correct dock or gate either manually or by coupling them to transport control systems, thus minimizing errors.

Plug & Play Cloud Solution

INTRANAV Outdoor Tracking & Sensor Data Monitoring Features

- **Digital Twin of your load carriers via INTRANAV.IO:** End-to-end **outdoor live tracking** (GPS technology)

- **INTRA**NAV **SMART Sensors monitoring**: Temperature, humidity, acceleration/shock (IMU), certified airplane mode

- **Real-time alerts** via SMS & e-mail in case of deviations from specified limits or process interruptions

- **Hazard monitoring** for chemical and battery containers

- **AUTO-ID:** Scannerless bookings

- **2D/3D-Geofence** based zones and events

- **Storage safety:** Compliance with storage and transport guidelines

- **Transport safety:** Ensuring transport guidelines

Control security during the loading of pallets, boxes & containers

The yard has a high loading turnover, with **INTRA**NAV tracking of your cargo you can ensure that each cargo is loaded into the right transport vehicle. Via virtual zones (geo-fences), which you can set up as you wish, you are notified through the **INTRA**NAV.**IO** Digital Twin platform if the material flow deviates from your intended process. This way you avoid wrong deliveries and increase the security of the loading process.

Automated registration of delays in the process flow

INTRANAV.**IO** records by track & trace, delays or early arrival of the respective vehicles, eliminating drivers for manual check-in/check-out. The yard management runs smoothly, booking errors are avoided and time for booking steps is saved.
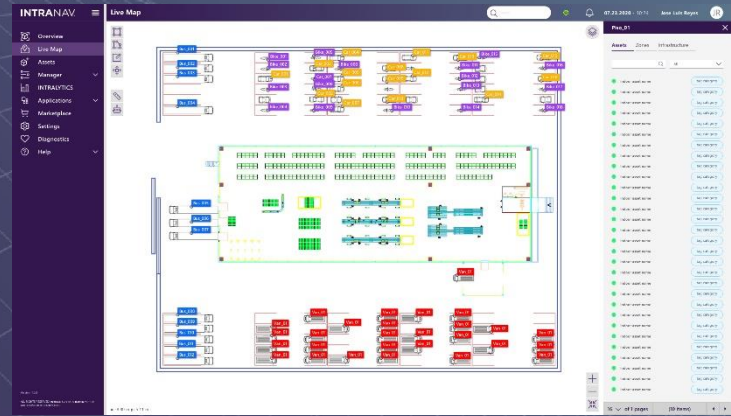
Control of transport conditions

Use **INTRA**NAV sensor data monitoring via the **INTRA**NAV.**IO** IoT platform to prove in real-time or via reports that transport guidelines such as temperature, humidity, acceleration (vibration) were adhered to or if there was a deviation. Deliveries with spoilage, breakage or similar are immediately detectable.

High efficiency & process reliability

Overview of where vehicles, assets and objects are located, where they are moved to and how long they have been in parking or loading areas. **INTRA**LYTICS offers various analysis dashboards to optimize your fleet management

INTRANAV Yard Management enables dispatchers and drivers to make data-driven decisions about the area or decks ahead.

Your INTRANAV Benefits

+ **Maximum process reliability**
+ **Position release of parking spaces**
+ **Control of transport conditions**
+ **Reduce search times**
+ **Redundant logbook of available logistics vehicles**
+ **Theft protection**
+ **Reduction of current operating costs through AUTO-ID**
+ **Employee safety through sensor data monitoring**
+ **Proof of compliance with transport conditions**
+ **Automated load carrier management through Geo-Fence based events**
+ **Coupling to SAP, analytics and many other systems (open interface)**

It´s that easy!

Activating the INTRANAV **plug & play solution**

Attach INTRANAV**.RTLS TAG (tracker) to vehicle or object**

Real-time tracking & sensor data monitoring of your vehicles / objects via the INTRANAV.**IO platform**

INTRANAV **Digital Twin Suite scale as desired per device**

These customers have already successfully implemented RTLS & digitization projects with **INTRA**NAV:

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