AUTOMATED
INTRALOGISTICS
DO IT YOURSELF !

IFOY AWARD

WWW.IFOY.ORG

BEST IN INTRALOGISTICS

NAISE
NAiSE TRAFFIC

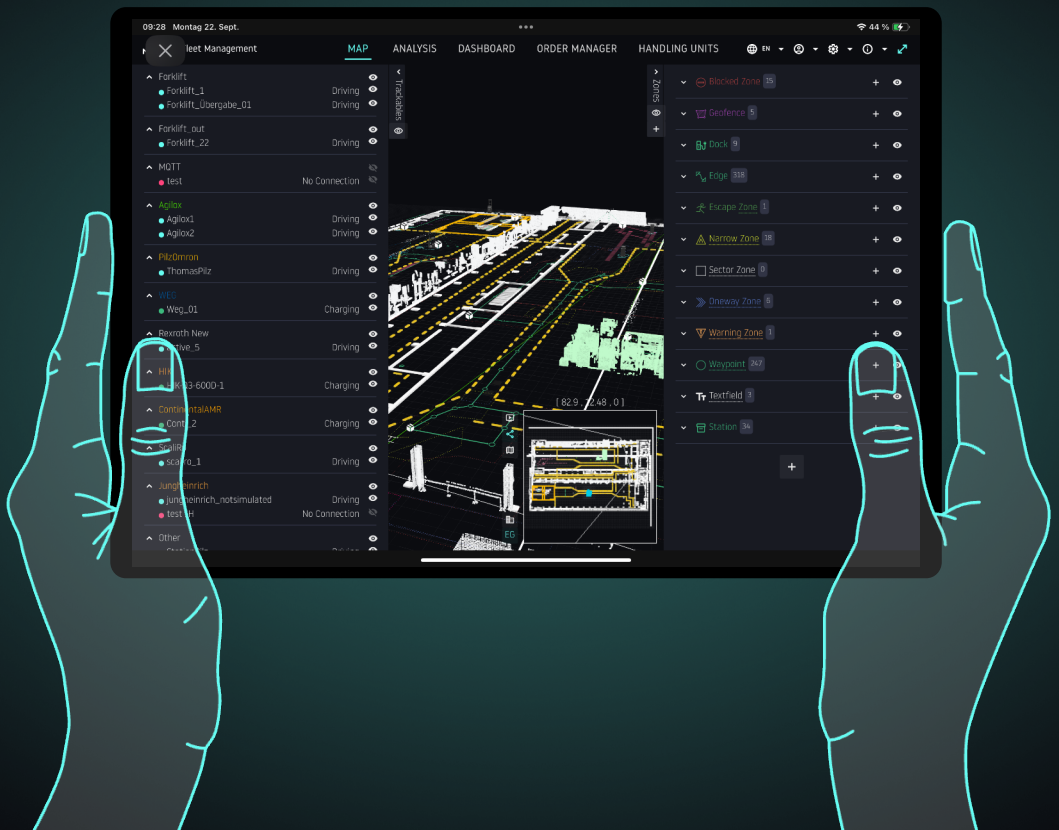
CERTIFIED INNOVATION AUDIT | INNOVATION CHECK | TEST

NAiSE

NAiSE

TRANSPARENT. FLEXIBLE. SIMPLE.

[nais]



INTELLIGENT PLATFORM FOR INTRALOGISTICS EFFICIENCY !

A SINGLE SOLUTION FOR ALL PARTICIPANTS AND PROCESSES

The NAiSE Intralogistics Platform is a unified, manufacturer-independent solution designed to enable complete control over intralogistics operations. Its holistic system architecture integrates four core modules—Fleet, Traffic, Order, and Warehouse Management—to digitalize and automate the entire material flow. With an intuitive, DIY-oriented concept, the platform allows real-time coordination and seamless integration of mobile robots and human operated vehicles. From task and route management to inventory handling, the platform supports transparent, flexible, and simple operations.

> At NAiSE, our mission is to make intralogistics transparent, flexible, and simple. Every innovation we bring to our platform is driven by the vision of empowering businesses to take control of their operations and optimize material flow, no matter the complexity.

Kai Przybysz-Herz | CEO | NAiSE GmbH

20% FASTER MATERIAL FLOW IN INTRALOGISTICS !

NAiSE X AUMOVIO BRANDYS
AGVs, AMRs & Tugger Trains in a Unified Fleet

Seamless integration of autonomous and manual vehicles, ensuring smooth material flow and enhanced productivity across warehouses and production halls.

NAiSE X AUMOVIO REGENSBURG
A diverse fleet of 61 AMRs in operation

Unified management of multi-vendor AMRs, delivering conflict-free navigation and optimized intralogistics across production and warehouse environments.

NAiSE X AUMOVIO INGOLSTADT
30+ vehicles accelerating material flow by 15–20%

Advanced coordination of multi-level production areas and transport fleets, enabling efficient workflows and reliable real-time tracking.

YOU CAN PROFIT FROM OUR SOLUTION, JUST LIKE OUR HAPPY CUSTOMERS !

PILZ
THE SPIRIT OF SAFETY

AUMOVIO
Robotic Solutions

weg

rexroth
A Bosch Company

Continental

AUMOVIO

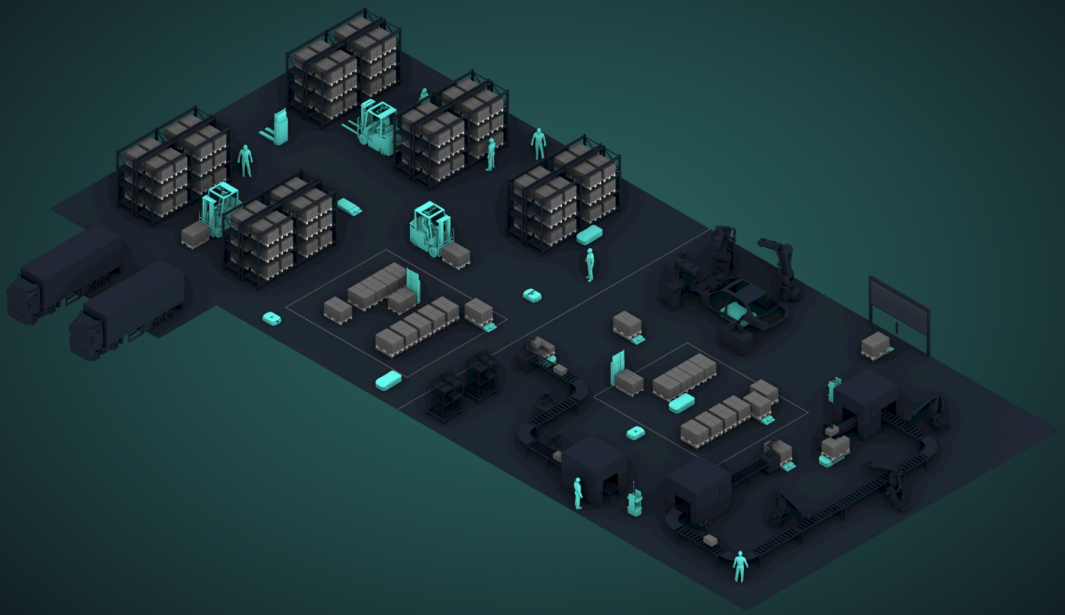
We are happy to work together with such a dynamic company !

Marc Heubeck | SCM Strategy & Innovation | AUMOVIO

MANAGE THE ENTIRE FLEET WITH ONE PLATFORM !

FLEET MANAGER

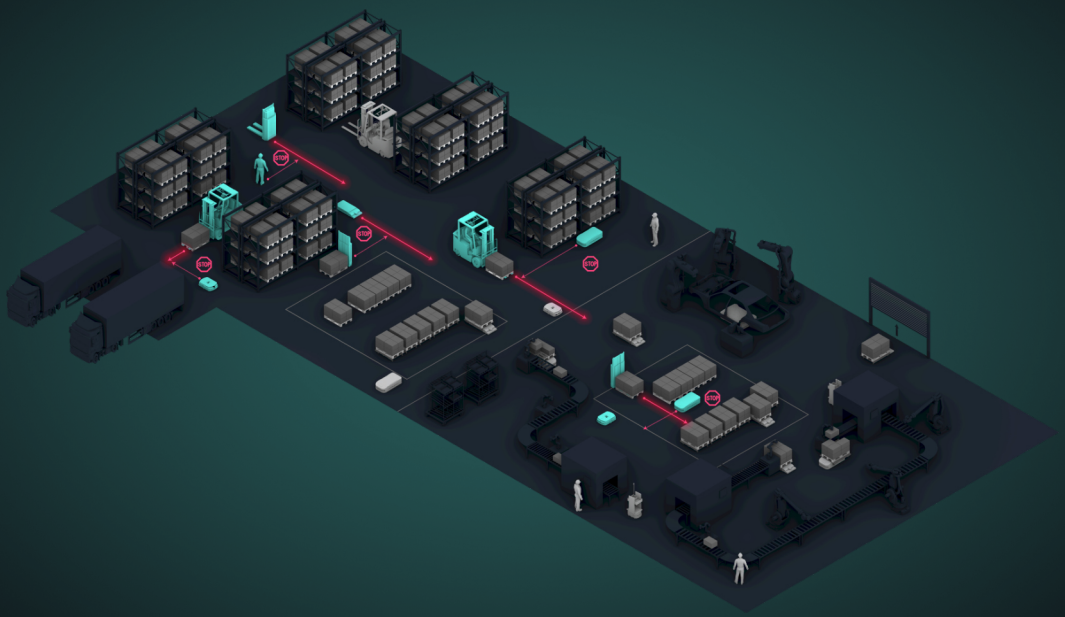
The NAiSE Fleet Manager unifies all intralogistics transport resources into one intelligent, manufacturer-independent system. It integrates mobile robots, forklifts, tugger trains, and manual vehicles, enabling transparent communication and flexible deployment. Through a central logic layer, it dynamically coordinates tasks and ensures smooth collaboration across diverse fleets. With full visibility and simplified control, it transforms mixed fleets into an efficient and reliable system.



STREAMLINE FLEET TRAFFIC IN MIXED OPERATIONS !

TRAFFIC MANAGER

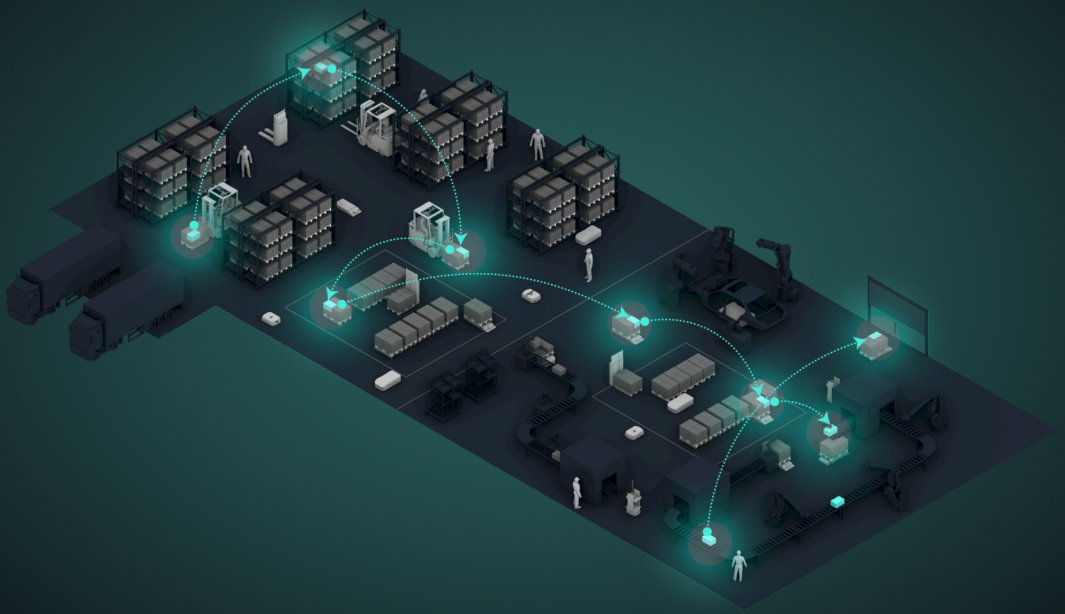
The NAiSE Traffic Manager ensures safe and efficient intralogistics traffic by coordinating robots, vehicles, and infrastructure. It prevents collisions and maintains smooth operations through a central traffic logic. With Hybrid Simulation, operators can test new robots and scenarios alongside existing fleets. Providing transparency, intelligent routing, and proactive safety, it guarantees reliable and efficient intralogistics movement.



INTELLIGENT DISTRIBUTION OF MATERIAL FLOW !

ORDER MANAGER

The NAiSE Order Manager orchestrates material flow across warehouses and production, managing transport orders from creation to execution. Integrated with ERP, WMS, and MES systems, it translates business requests into actionable tasks through a no-code interface. Coordinating manual vehicles and autonomous robots, it ensures dynamic, efficient resource assignment. With full visibility, intelligent distribution, and cost-based optimization, it simplifies workflows and guarantees reliable, transparent material flow.



REAL-TIME TRANSPARENCY FOR YOUR INVENTORY !

WAREHOUSE MANAGER

The NAiSE Warehouse Manager bridges warehouse and production, delivering visibility and control over handling units, inventories, and station capacities. Connected with WMS and ERP systems, it translates data into real-time transport and storage actions. Coordinating vehicles, robots, and NAiSE modules, it ensures smooth material flow and efficient station utilization. With transparency and intelligent resource use, it creates reliable and future-proof warehouse operations.

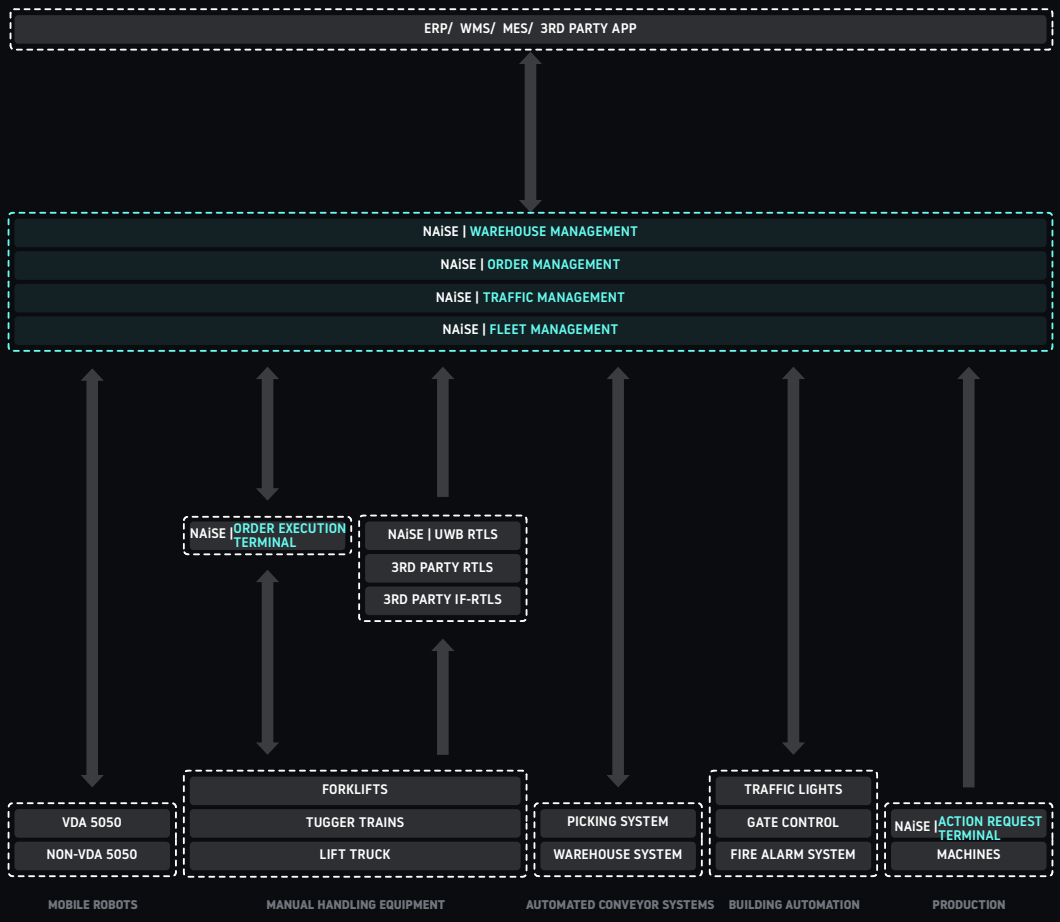
UPGRADE MANUAL VEHICLES TO AUTOMATED SYSTEMS !

FORKLIFT GUIDANCE SYSTEM

The Forklift Guidance System by NAiSE transforms traditional forklift and tugger train operations into a fully connected, intelligent ecosystem. By integrating Traffic, Order and Warehouse Management into a single module, it enables real-time coordination and seamless communication for human-driven vehicles. With advanced localization technology and a dedicated Order Execution Terminal, every vehicle becomes a visible and manageable participant within intralogistics workflows, bridging the gap between manual operations and automated systems.

EASY INTEGRATION IN YOUR ENVIRONMENT !

SYSTEM ARCHITECTURE



NO LIMITATION - PICK THE ROBOT FOR YOUR NEEDS !

COMPATIBILITY IS THE KEY TO SUCCESS !

INTEGRATED AGV/AMR MANUFACTURERS

rexroth A Bosch Company · OMRON · SAFELOG · 玖物智能 · METRA Metratabs mobile robots · carrybots

sevensense · symovo · GESTALT ROBOTICS · evocortex · BEEWATEC · truphysics

CAPRA ROBOTICS · DELTA · BÄR · AUMOVIO Robotic Solutions · IFT · CEIT by OSSECO

Innok Robotics · HIKROBOT · KÄRCHER · weg

As a truly fleet management-agnostic company, the strong partnership with NAiSE allows us to test and develop our AMR solutions rapidly and reliably. This goes beyond VDA 5050 and ensures fast integration and smooth operations for our customers.

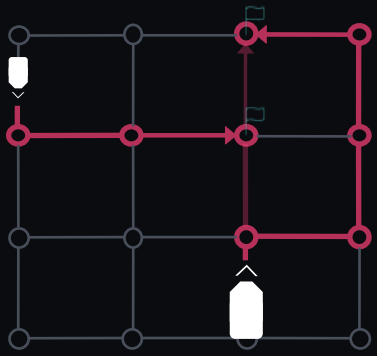
Dr. Alessandro Castagnotto
Head of Product Line Intralogistics
AUMOVIO

THE REAL MANUFACTURER-INDEPENDENT SOLUTION !

SOLUTIONS ON THE MARKET:

FLEET MANAGER COORDINATES
AMRS WITH THE SAME NAVIGATION COMPONENT

Coordination of a fleet with a high degree of autonomy across manufacturers can be achieved by integrating each manufacturer's Autonomous Mobile Robots (AMRs) with their own special navigation components. However, integrating a new component into an industrial robot platform is a complex and time-consuming process that involves strict requirements, leading to a limited selection of compatible robots.



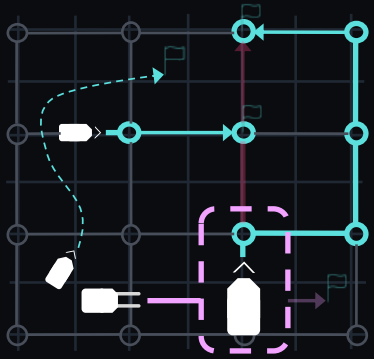
FLEET MANAGER COORDINATES
VDA 5050 COMPATIBLE AGVS

The VDA/VDMA standardized communication protocol for AGVs/AMRs was developed to enable the control of a fleet of AGVs/AMRs from different manufacturers using a single master controller. However, the robots in the VDA 5050 world can only navigate on nodes and edges with a limited degree of autonomy. Therefore, free-navigating robots, in particular, either do not support this standard or only partially support it.

THE NAiSE SOLUTION:

NAiSE COORDINATES

NAiSE, with its patented real-time localization system, can integrate any Automated Guided Vehicle (AGV) or Autonomous Mobile Robot (AMR) with or without a VDA 5050 interface. In addition, it can also integrate manually driven vehicles such as forklifts, tugger trains, and various types of pallet trucks.



INTEGRATING AGV AND AMR SOLUTIONS SEAMLESSLY !

COMPATIBLE LEVEL 1

CONSULTING LEVEL 1

NAiSE begins integration with an exchange of information. Technical experts from the robot manufacturer provide deep insights into the robot's interfaces and operational requirements, while NAiSE shares knowledge about the platform's software and integration requirements. This mutual understanding lays the foundation for a smooth integration process.

COMPATIBLE LEVEL 2

SOFTWARE INTEGRATION LEVEL 2

NAiSE provides guidance and support for initial software setup, configuration, and testing— either on cloud or on premise. Both NAiSE and robot manufacturer work collaboratively to ensure quality in the integration with a detailed requirement and test checklist ensuring smooth progress throughout the integration process.

COMPATIBLE LEVEL 3

FINAL TESTING LEVEL 3

NAiSE performs final validation once the software is fully integrated. Comprehensive testing is conducted either at the NAiSE showroom (ARENA2036) or directly in the robot's intended operational environment, ensuring seamless compatibility. This final level cannot be completed independently by the robot manufacturer—NAiSE's participation is required to successfully conclude the process.

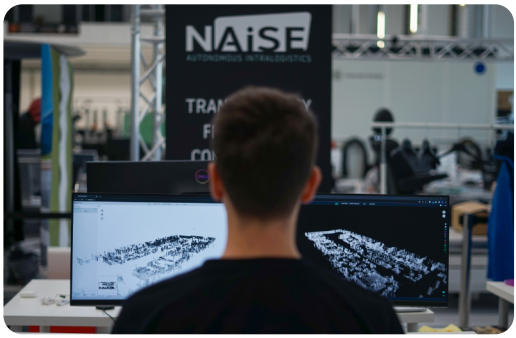
> Being compatible with NAiSE helps our end customers to find the most efficient solution among different AGVs and AMRs.

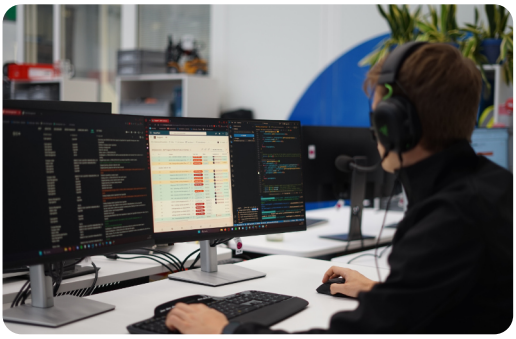
Raphael Kusumoto | CTO | NAiSE GmbH

SEAMLESS AUTOMATION ONBOARDING !

WHITE-LABEL FLEET MANAGEMENT

NAiSE offers a flexible white-label fleet management platform that seamlessly integrates with existing robotic systems, enabling manufacturers to launch intelligent, scalable, and reliable fleet solutions under their own brand while reducing development time and cost.





CUSTOMER SUPPORT PACKAGES

Although the NAiSE Intralogistics Platform is built for intuitive, independent use, scalable support levels—from Basic to 24/7—ensure smooth operation through an automated ticketing system with guaranteed <2h response times.

ON-SITE 3D SCANNING

NAiSE provides professional on-site 3D scanning services that generate precise digital facility maps for direct visualization within the Intralogistics Platform, enhancing spatial awareness and planning while allowing users full control to upload, edit, or update maps as layouts evolve.

COMPREHENSIVE WORKSHOPS

NAiSE offers full-day onsite or online workshops tailored to user roles—Operator and Admin—covering everything from daily operations to system management, with optional refresher courses and secure remote support available worldwide.

INTEGRATED INDUSTRIAL SOLUTIONS FOR TOTAL COMPLIANCE !

ADAPTABLE TO ANY ENVIRONMENT:

PILZ THE SPIRIT OF SAFETY
W&T www.WuT.de
FLEXLOG
ARDUINO
IVISO
O2 Business can do
Node-RED
waitkus engineering
Quuppa
RGo Robotics
waveye
IDEC
ScaliRo

COMPATIBLE WITH STANDARDS:

VDA5050
mass robotics

> In NAiSE, we have a partner to increase efficiency within the intralogistics that perfectly supplements our solutions for safe automation of AGVs.
>
> Bernd Müller | Head of Market Development | Pilz GmbH

FORKLIFTS PLAY AN IMPORTANT ROLE – HAND IN HAND WITH MOBILE TRANSPORT ROBOTS !

INTELLIGENT MANAGEMENT FOR HUMAN-DRIVEN VEHICLES !

NAiSE FORKLIFT GUIDANCE SYSTEM

The Forklift Guidance System by NAiSE transforms traditional forklift and tugger train operations into a fully connected, intelligent ecosystem. By integrating Traffic, Order and Warehouse Management into a single module, it enables real-time coordination and seamless communication for human-driven vehicles. With advanced localization technology and a dedicated Order Execution Terminal, every vehicle becomes a visible and manageable participant within intralogistics workflows, bridging the gap between manual operations and automated systems.

PRECISE TRACKING FOR ALL MANUAL VEHICLES !

NAiSE RTLS delivers precise, real-time tracking of all manual vehicles, including forklifts and tugger trains. Leveraging Ultra-Wideband (UWB) technology and a decentralized mesh network, the system enables instant communication between tags, supports swarm intelligence setups, and adapts dynamically to changing environments. NAiSE RTLS can be deployed as a standalone solution for projects focused solely on manual vehicles, or as part of a combined system when integrating manual vehicles with automated transport robots.

NAiSE UWB ANCHORS

Anchors form the backbone of the positioning network

- Designed for ceiling or wall installation
- Ensure reliable and accurate communication across the facility
- Keep away from metallic obstacles and orient correctly to maximize coverage

NAiSE UWB GATEWAYS

Gateways act as data aggregators

- Collect signals from anchors and tags
- Transmit location data to the NAiSE Intralogistics Platform
- Provide a centralized source for fleet coordination and operational intelligence

NAiSE UWB TAGS

Tags are mounted on vehicles or equipment

- Send continuous location updates to the anchors
- Mount at the vehicle's highest point for clear communication
- Ensure consistent tracking accuracy across the facility

CENTRAL HUB FOR FORKLIFT AUTOMATION !

NAiSE ORDER EXECUTION TERMINAL

The Order Execution Terminal is built to empower drivers, streamline workflows, and ensure every task is executed efficiently. Its intuitive interface and real-time connectivity turn manual vehicles into fully integrated, responsive participants in your intralogistics operations.

„THE INTRODUCTION OF THIS GROUNDBREAKING PRODUCT ALIGNS WITH OUR COMPANY'S STRATEGY TO BRING EFFICIENCY GAINS TO OUR INDUSTRY !“

Carlos José Bastos Grillo

Chief Officer of Digital and Systems | WEG

FLEET MANAGER WITHOUT MANUFACTURER LIMITS !

INTEGRATION & MAP ALIGNMENT

UNIFY ALL PARTICIPANTS AND ENVIRONMENTS

MONITORING

REAL-TIME VISIBILITY OF YOUR FLEET

VEHICLE CONROL

DIRECT COMMANDS WHEN NEEDED MOST

CHARGING MANAGEMENT

SMART COORDINATION OF CHARGING ROUTINES

„OUR PARTNERSHIP WITH NAiSE EMPOWERS BUSINESSES TO ACHIEVE UNPRECEDENTED EFFICIENCY AND FLEXIBILITY !“

Chade Chen

EU General Manager | Hikrobot

COORDINATE ALL TRAFFIC WITH ONE PLATFORM !

RULES MANAGEMENT
GUIDED TRAFFIC LOGIC FOR MIXED-FLEET

MIXED FLEET COORDINATION
FLEXIBLE ROBORT COORDINATION

INFRASTRUCTURE CONTROL
INTEGRATE TRAFFIC AND FACILITY

HYBRID SIMULATION
TEST BEFORE DEPLOYMENT

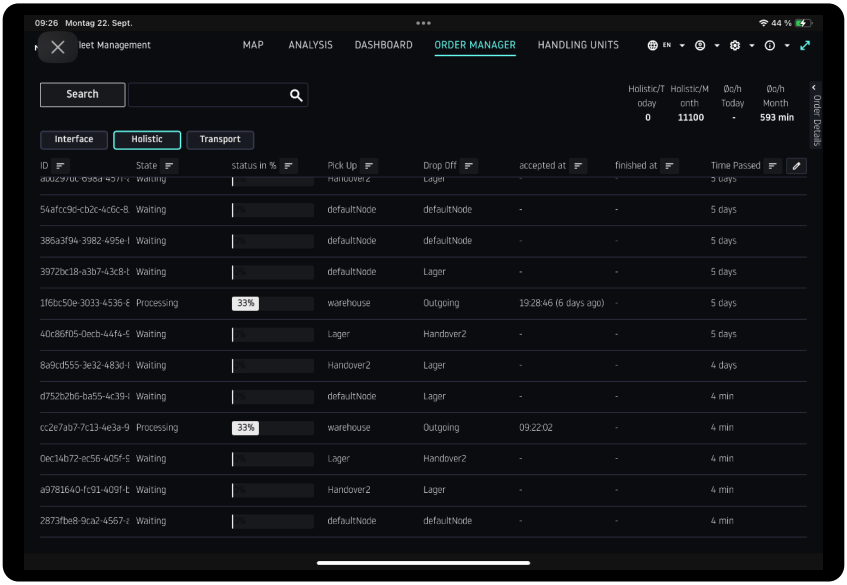
TRAFFIC ANALYSIS
UNDERSTAND TRAFFIC PATTERNS

„THIS COOPERATION ENABLES US TO OFFER OUR CUSTOMERS SEAMLESS AND STANDARDISED ACCESS TO FUTURE-PROOF FLEET CONTROL !“

Alwin Heerklotz

CEO & CTO | Innok Robotics

THE CENTRAL LOGIC OF MATERIAL FLOW MANAGEMENT !



HOLISTIC ORDER MANAGEMENT
DYNAMIC ORDER ASSIGNMENT

ERP & WMS INTEGRATION
CONNECT SYSTEMS TO THE FLOOR

MATERIAL FLOW MAP
VISUALIZE ORDERS ACROSS THE FACILITY

OPERATOR DASHBOARD
QUICK ORDER CREATION

TRACKING & ANALYTICS
PROACTIVE MONITORING AND INSIGHTS

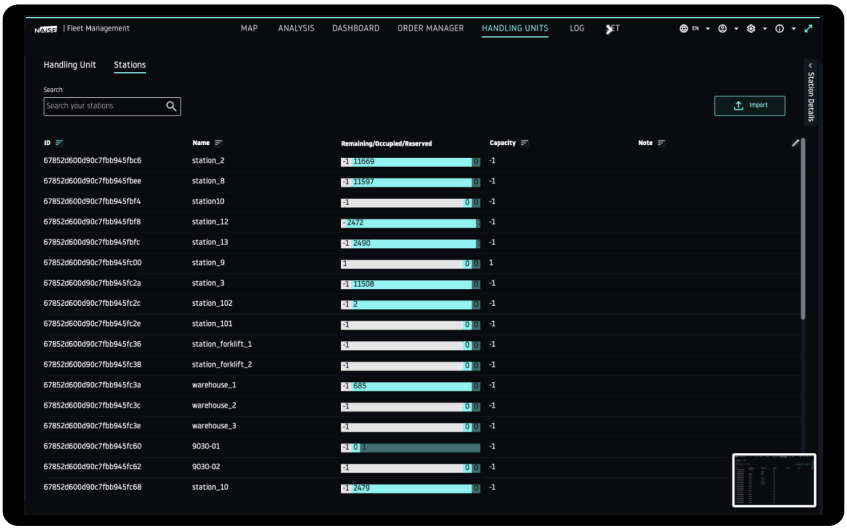
CUSTOM ORDER INTERFACE
ADAPT ORDERS WITHOUT CODING

„THIS COLLABORATION OFFERS INTRALOGISTICS COMPANIES REAL-TIME VISIBILITY AND CONTROL OVER ASSETS AND OPERATIONAL PROCESSES !“

Fabio Balloni, Ph.D.

CEO & Co-Founder | Quuppa Oy

INTEGRATED MANAGEMENT FOR HANDLING UNITS AND STATIONS !



HANDLING UNITS MANAGEMENT

TRACK AND CONTROL EVERY UNIT

STATION CAPACITY MANAGEMENT

OPTIMIZE STATION USAGE IN REAL TIME

REAL-TIME INVENTORY TRACKING

MONITOR INVENTORY ACROSS ALL LOCATIONS

UNIT WASTE & LIFECYCLE

AUTOMATE UNIT REUSE AND DISPOSAL

„THE COMBINATION OF THE NAiSE INTRALOGISTICS PLATFORM WITH OUR EZ-WAY® NAVIGATION SOFTWARE IS THE PERFECT GLOBAL COMBINATION TO ADDRESS COMPLEX MOBILE AUTOMATION FLEETS !“

Adam J. Giorgione

Global & US AGV Vertical Market Manager | IDEC Corporation

WHOEVER YOU ARE, WHEREVER YOU ARE !

MULTIPLE DEVICES: Our software is designed to offer maximum flexibility and convenience to our users. It can be accessed and used on a wide range of electronic devices, including desktop computers, laptops, tablets, and smartphones. As long as your device has a current version of a web browser, such as Google Chrome, Mozilla Firefox, Microsoft Edge or Safari, you can easily access and use our application. This compatibility ensures that you can access your data and complete your tasks from any device, at any time.

OS INDEPENDENT: Our software is designed to be operating system independent. This means that it can be used on a range of common operating systems, including Windows, Mac OS, Linux, and Android. This compatibility ensures that users can use our software on their preferred operating system without any issues or limitations. Whether you are using a desktop computer, laptop, or mobile device, our software is fully functional on all platforms, providing you with a seamless and efficient user experience.

FLEXIBLE USER MANAGEMENT: Our software offers a highly flexible user management system, providing you with full control over your users' access and permissions. With our software, you can easily define different user roles, each with corresponding user rights and access levels. For example, you can define roles such as "manager", "editor", or "viewer", and assign specific access levels and permissions to each role. This ensures that your users can only access the features and data that are relevant to their role, providing a more secure and efficient user experience.

USER-CENTRIC DESIGN: At our company, we prioritize the needs and preferences of our users, and our software reflects this philosophy through its user-centric design. We have developed a modern web application with an intuitive gaming character that has been shaped by constant feedback from our customers. Our user-centric design approach makes our software easy to navigate, user-friendly, and enjoyable to use, allowing you to focus on your work without any unnecessary distractions.

SEE NAiSE IN ACTION IN OUR SHOWROOM ARENA2036 !

ARENA2036 | PFAFFENWALDRING 19 | 70569 STUTTGART

STAY UP TO DATE & FOLLOW US ON SOCIAL MEDIA !

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