

SYNAOS Company Information

We are revolutionizing the way things are made and goods are moved! Our SYNAOS Intralogistics Management Platform (IMP) combines innovative AI optimization methods with modern and scalable IT technologies to meet today's production and logistics requirements in factories and warehouses.

Company Description

SYNAOS offers the world's first truly holistic intralogistics management platform, covering three essential solution scenarios:

- fleet management for mobile robots
- warehouse management
- Real-time localization

A fourth solution for controlling forklift trucks is currently in an advanced planning stage. Our software-as-a-service platform combines artificial intelligence and advanced algorithms with state-of-the-art, flexible and scalable cloud technology to orchestrate people, transport units, and operating resources in today's and tomorrow's factories and logistics centers.

We were founded in 2018 and since then, we have introduced our revolutionary SYNAOS Intralogistics Management Platform (IMP), marking a significant shift in an industry that has long been ready for disruption. Our product has won prestigious awards, such as "Best Product" (LogiMAT 2022) and "Special of the Year" (IFOY 2022), highlighting its remarkable impact. Currently, we have a dedicated workforce of over 100 highly motivated and specialized employees, catering to our corporate clients in the automotive and e-commerce sectors, which include several global market leaders. With our headquarters situated in Hannover, our hometown, our international team spans across Germany and Europe.

What challenges does the SYNAOS IMP specifically solve?

Most intralogistics processes are disrupted today. Transport units are operated by a variety of inadequate and incompatible IT systems from manufacturers. Human operators, manual and automated vehicles are not integrated. The information flow is limited, and important data remains stuck in silos. The SYNAOS IMP connects all relevant resources, organizes and optimizes all processes

holistically in a constantly changing environment. Also: The complexity of intralogistics processes is constantly increasing. Supply chain volatility and market pressures, coupled with increased customer expectations around delivery times, peaks and troughs in demand, and the shortage of skilled labor are all contributing factors. This is precisely where our SYNAOS IMP comes in. Our innovative approach combines artificial intelligence and advanced algorithms with flexible and scalable cloud technology. The SYNAOS IMP orchestrates people, transport units, and production resources holistically, event-driven and in real-time. As a truly resource-independent solution, our API (VDA 5050) also offers customers full flexibility to operate heterogeneous fleets of automated guided vehicles, mobile robots, and manually operated machines from different manufacturers.

What is the USP of the SYNAOS IMP?

Our unique selling proposition is threefold.

- We embrace diversity and variety: Our approach of applying the VDA 5050 interface to our customers' factory and warehouse resources is a revolutionary leap into the future of operational excellence in intralogistics: we enable our customers to orchestrate both manufacturer-neutral and heterogeneous fleets of AGVs and manually operated vehicles on one platform.
- We love efficiency: Our scalable SaaS solution covers three of the most critical efficiency factors for first-class intralogistics operations: holistic, event-driven, real-time. Our holistic approach includes various shop floor assets from many different manufacturers. In case of sudden disruptions, obstacles on the shop floor, or unforeseen problems with a facility, our algorithms calculate the best possible solution in real-time and suggest it.
- We are user-friendly: Our software was designed with the average user and different workforces in mind. Our customer-oriented UX team has created an intuitive and user-centric environment that enables quick setup and smooth operation.

Who is the target audience for SYNAOS IMP?

Customers who recognize the importance of powerful intralogistics. They strive for process excellence and want to leverage the potential of AI-powered, reliable, and flexible cloud solutions. Scalability is often a concern for them: as their fleets

grow across one or multiple locations, they need solutions that can keep pace with their expansion. They appreciate modern IT solutions as well as our holistic approach that takes into account people, transport units, and operating resources. Our customers operate in all industries, particularly in the automotive industry, manufacturing, e-commerce, and FMCG sector.

The latest from SYNAOS

Since June 2023, the leading automotive and industrial supplier Schaeffler has been implementing the SYNAOS IMP. Within the current year, the SYNAOS software will be utilized by the global Schaeffler Group in six projects located in France, Germany, and Hungary.

In early 2022, SYNAOS won ZF, one of the world's largest technology corporations and automotive suppliers, as a new customer for the cloud based SYNAOS IMP. For ZF, SYNAOS optimizes the control of automated guided vehicles (AGVs) in intralogistics.

In March 2022, an international jury awarded SYNAOS the coveted IFOYS Award in the category "Special of the Year". At this event, the SYNAOS IMP orchestrated AGVs and autonomous mobile robots (AMRs) from seven different manufacturers simultaneously on a shop floor, setting a new record for the VDMA AGV Mesh-up.

In May 2022, SYNAOS received the "BEST PRODUCT" award in the Software, Communication & IT category for the SYNAOS IMP from the organizer of LogiMAT in Stuttgart.

Throughout 2022 and since the beginning of 2023, SYNAOS has successfully completed several projects across Europe, and has significantly expanded its mobile robot partner network, which remains the largest in the industry.

World record: In one customer scenario, the SYNAOS IMP controlled 125+ AGVs from a mobile robot manufacturer and over 30 tugger trucks simultaneously.