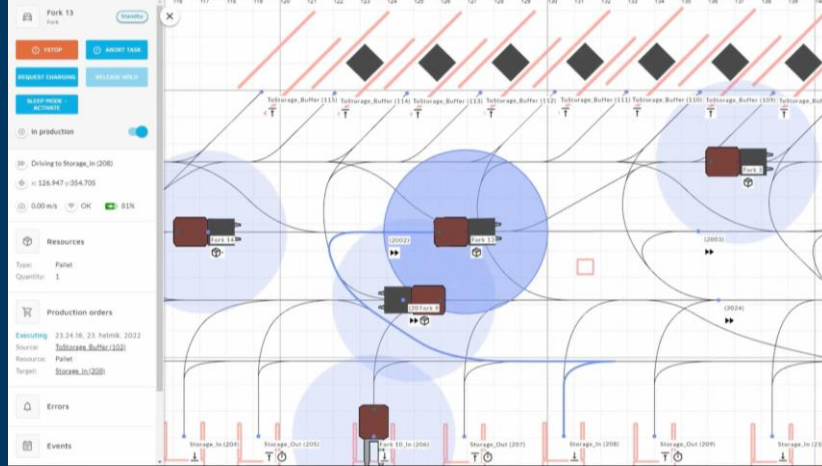


Build and Scale Industrial AGVs and AMRs with Intel® Edge Computing

Vrutti AGV/AMR Navigation and Fleet Software Platform

Vrutti enables automation companies, machine builders, system integrators, AGV/AMR manufacturers, and industrial enterprises to build and deploy autonomous vehicles using preferred hardware — without developing and maintaining the complete robotics software stack internally. The commercially available platform combines onboard navigation, localization, vehicle-control integration, fleet orchestration, traffic management, diagnostics, and plant-system connectivity.

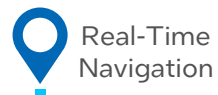
Designed for Intel® Core™ processor-based industrial PCs, Vrutti keeps navigation, sensor processing, communication, and perception workloads close to the vehicle for low-latency operation when cloud connectivity is limited. The solution leverages OpenVINO™ toolkit to optimize computer vision and physical AI workloads for efficient edge performance.



Key Intel-Enabled Features



Local AI Inference



Real-Time Navigation



Multi-Sensor Fusion



Fleet Orchestration

- [Intel® Core™ Ultra Series 3 processors](#) consolidate navigation, control, communication, and perception workloads on a single industrial PC.
- [Intel® architecture](#) supports a consistent software stack across industrial edge PC configurations, simplifying deployment and scaling.
- [OpenVINO™ toolkit](#) is used to optimize vision inference for real-time perception and navigation at the edge.
- [Intel® AI Edge Systems](#) offer a future path for validated, scalable deployment across autonomous vehicle fleets.

By leveraging Intel® technologies, the AGV/AMR Navigation and Fleet Software Platform by Vrutti Technologies helps automation companies deploy autonomous vehicles without maintaining a full robotics software stack.

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*Vrutti's AGV/AMR Platform helps automation companies **launch autonomous vehicles faster** while retaining control of hardware, brand, project delivery, and customer relationships.*

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Edge Use Cases: Autonomous Mobile Robots; Fleet Management; Anomaly Detection; Vision Guided Robots; Quality Inspection; Process Optimization

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