

SIMOVE Fleetmanager

Turn complexity into advantage

SIMOVE Fleetmanager is the scalable fleet management solution for AGV and AMR

[siemens.com/simove](https://www.siemens.com/simove)

Increasing individualization and variant diversity of products are shaping the industry of the future. Industrial manufacturing is being led by the trend of flexible production concepts. AGV and AMR play an important role to make your production dynamic and scalable.

Optimize production and logistics processes – efficient and flexible.

For efficient and flexible production and logistics processes, using AGV and AMR, the fleet control has to ensure a smooth operation according to the logistical process requirements. With SIMOVE Fleetmanager you are able to orchestrate different types of AGV and AMR from different vendors for your specific use case in one single system, using standardized interfaces (e.g. VDA5050). In addition, the SIMOVE fleetmanager integrates a wide range of standardized protocols, enabling rapid connection to the shop floor devices for the production and logistics processes.

To manage the variety of IT system which are crucial for the order and process management, SIMOVE fleetmanager provides standardized interfaces, e.g. Transport Order Management (TOM) API.

Welcome to the digital enterprise.

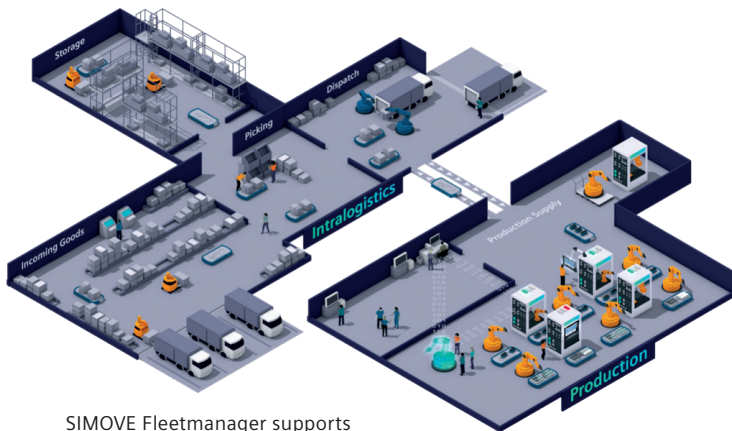
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SIMOVE Fleetmanager highlights:

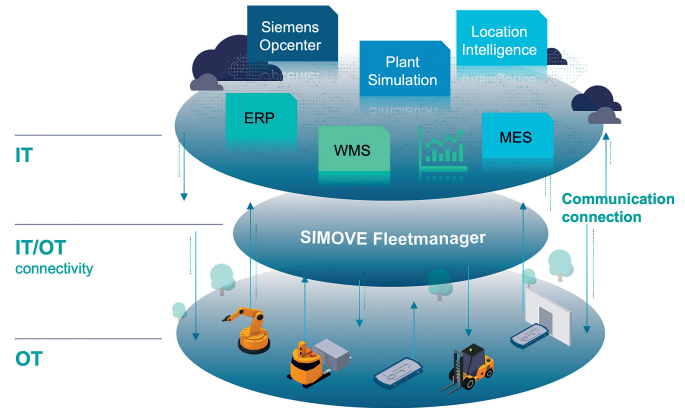
- Easy integration of AGVs and AMRs from different suppliers into one common fleet management system
- Interfaces to SIEMENS Systems, like Plant Simulation, Location Intelligence and Opcenter IPL
- Easy Integration with IT Systems (via TOM API)
- Traffic Management – with blocking groups & sections
- Optimize fleet efficiency with intelligent scheduling and routing algorithms
- High production quality through scalability and repeatability
- SIMOVE Fleetmanager competence team for application support

SIMOVE Fleetmanager contains the following modules and features:

- Standardized AGV Interface VDA5050
- Smart Charging Management
- SiSTUDIO – Engineering tool for tracks and vehicle management
- Fleet Monitoring
- Terminal for manual operated forklifts
- SIMOVE AGV Analyzer – condition monitoring and predictive maintenance
- Error management – central monitoring of the vehicle status



SIMOVE Fleetmanager supports a wide area of use cases



For AGV and AMR manufacturers:

The SIMOVE Fleetmanager, based on a Siemens SCADA system, enables efficient engineering. The openness of the system allows you to easily expand it, based on your end customer requirements. Thanks to pre-developed and proven software functions, you benefit from reduced planning and engineering effort and short commissioning times.

For end-users:

No matter if small logistic vehicles or advanced production AGVs and complex mobile robots – SIMOVE Fleetmanager supports various types of AGVs and AMRs and can easily be adapted to your specific use case.

Siemens' comprehensive portfolio features scalable, flexible solutions with easy interoperability, seamlessly integrated into IT systems (Plant Simulation, Opcenter IPL, and Location Intelligence).

Implementing algorithms for optimized routing not only reduce congestions, but also maximize the workload of the AGV and AMR fleet, contributing to a significant reduction in operational costs.

Training & Support:

Our SIMOVE Fleetmanager competence team supports you in all phases, from planning and implementation to commissioning and after-sales support including hands-on training.

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