

### FEATURES

- Dynamic assignment of missions by logistic priority
- Integration with WMS/ERP systems
- Simple, modular robot missions
- Robot monitoring and analytics via EMA for Fleetware

### BENEFITS



Central configuration and monitoring of the fleet of robots



Product tracking



Elimination of process bottlenecks via performance data

### APPLICATIONS

- Warehouse logistics
- Sequenced parts kitting
- Transport of WIP goods between individual production stages
- Just in time manufacturing



Fleetware is a control and management suite for Autonomous Mobile Robots (AMRs) that can be easily implemented into logistics and production processes.

### THE ROLE OF FLEETWARE

Multiple AMRs in advanced logistics and production environments require a set of tools over and above the standard AMR suites.

Fleetware provides this layer, coordinating up to 100 robots simultaneously to enable large-scale deployments, for example Just-in-Time sequenced manufacturing of complex parts with variable production requirements.

Fleetware's internal logic engine enables multi-mission and dynamic routes to be undertaken. This allows for **simple, modular robot missions**, with Fleetware assigning mission stages with parameterised destinations.

The software **integrates with WMS/ERP systems** to receive and supply order data and then manages the missions by logistic priority.

### FLEETWARE CORE

#### MANAGEMENT APPLICATION

The core management applications allow for the central configuration of robots, missions and locations.

Fleetware performs the **automated routing of robots** based on robot state changes.

It also enables real time status monitoring, diagnostics, logging and operational maintenance functions.

#### ROBOT MONITORING AND ANALYTICS

EMA for Fleetware is a web interface that tracks status events from the robot fleet:

- Waiting and charge times
- Stoppage time classification
- Overview of fleet utilisation and performance with failure and cause statistics

EMA for Fleetware can be used to trace bottlenecks and problematic robots/positions.



## GUIDED ASSEMBLY

Fleetware can be utilised with Sextans to provide a complete **guided assembly process solution**



## THE SORION SOLUTION



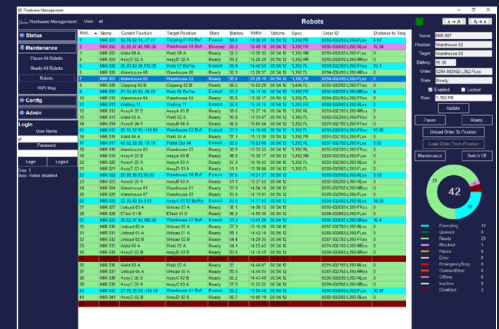
Central configuration of a fleet of robots

## FLEETWARE SIMULATION

The **Simulation Tool** allows you to test and validate the environment prior to the installation of physical robots and any changes to layout and capacity.



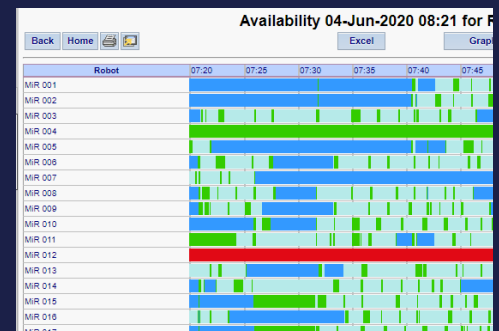
This helps reduce lead times and costs.



Robot maintenance

## LICENSING

	Fleetware Core	Fleetware Simulation
<b>Application</b>	Production license for real system	Demo, validation or logic
<b>Number of robots</b>	Up to 100	Unlimited
<b>EMA for Fleetware</b>	Included	-



Event timeline - can be used to identify bottlenecks

## ABOUT SORION

Founded in 1990 and with equipment installed and operated by major OEMs and Tier 1 suppliers around the globe, Sorion Electronics has an established reputation for innovation, quality and reliability.

### Your Partner for:

- Guided Assembly Process Control
- End of Line Test Systems
- Management and Analytics System for Autonomous Mobile Robots (AMRs)
- Ruggedised Electrical Connectors & Harnesses
- Quality and Traceability Reporting
- Electronic Product Design and Development

Colour coded robot status information



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