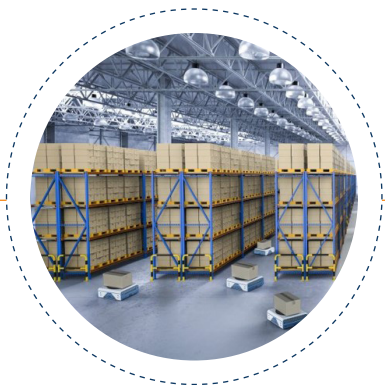


WINGS ICT SOLUTIONS has developed WINGSChariot, a solution designed to enhance the **Smartification, Automation and Real-time Visibility** of operations and workflows in the Logistics sector. Through the development and implementation of specific modular functions based on advanced Data Processing (Machine Learning, Big Data), Remote operations and control (Robotics, AGVs), Augmented Reality (AR) and networking technologies (4G, 5G, IoT), WINGSChariot targets the cost-efficient, intelligent management of **Green and Sustainable** Logistics.



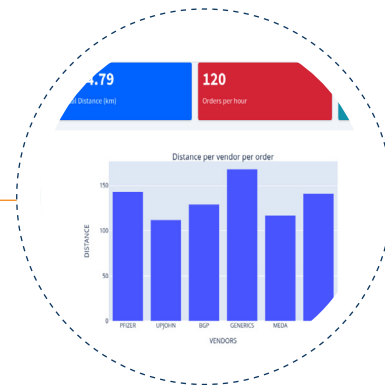
Intelligent Warehouse

With advanced capabilities such as autonomous pallet transfer & Human-Robot collaboration, warehouse remote monitoring and control, storage location optimization and picking route optimization which increase the efficiency and productivity as well as reducing the cycle times and costs of the warehouse operations.



Smart Transportation

With the use of On-Board and Road-Side units WINGSChariot enables the real-time remote control and monitoring of cargo, vehicle's performance and driving behavior, smart routing, predictive fleet maintenance as well as the automated site's entry/exit control points.



Integrated Platform

A user-friendly platform that enables the remote control and monitoring of the AGVs and other assets, orchestrates all data retrieval and data analytics and enhances the visualization experience through highly descriptive dashboards. With the use of predictive algorithms and (3D) simulation environment, WINGSChariot is also a decision support system which can provide useful insights and assist with the strategic business planning.





WINGSChariot Package

Automated Guided Vehicle (AGV):

Various options depending on customer needs.

Connectivity options: WiFi, 4G, 5G

On Board Unit (OBU):

Equipment options: GPS, Accelerometer, Vibrations/ Temperature/ Humidity/ CO₂ sensors etc.

Connectivity options: 4G, 5G, NB-IoT, GPRS, LoRA

Road-Side Unit (RSU):

Equipment options: (Smart) Cameras, Temperature/ Humidity/ Speed sensors etc.

Connectivity options: 4G, 5G, NB-IoT, GPRS, LoRA

Environmental Sensor Pack (indoor & outdoor):

Equipment options: Cameras, Temperature/ Humidity/ Vibrations/ Light sensors etc.

Connectivity options: WiFi, 4G, 5G

User Equipment:

Equipment options: Smartphones, Tablets

Connectivity options: WiFi, 4G, 5G

Platform Features:

- Intelligent Warehouse
 - Real-time monitoring of warehouse operations
 - AGV remote control
- Smart Transportation
 - Real-time monitoring of the fleet and shipments
 - Smart Routing
- Optimizations and Analytics
 - Simulation environment (3D)
 - Retrieval and Analysis of historical and real-time data
 - Data Visualization/ Dashboards
- Reporting and Alerting

About WINGS

WINGS exploits advanced technologies, such as IoT, Artificial Intelligence, Big Data, Cloud technologies, Telecommunication Networks (4G, 5G, WiFi, Lora, etc.), advanced visualization technologies (Augmented / Conceivable Reality (AR / VR), mobile applications, etc.) aiming to provide extremely reliable solutions that help businesses improve their decision-making processes, expand their knowledge through detailed forecasting and predictive analytics, increase their efficiency and in the end, focusing on customer satisfaction.



Contact / Follow us

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