

## CASE STUDY

SERVO DYNAMICS -  
WAREHOUSE MANAGEMENT  
SYSTEM

## BACKGROUND

Servo Dynamics, based in Singapore, specializes in providing industrial automation and control solutions. Their expertise covers a diverse range of products and services, including robotic systems, factory automation, drive and control technologies, mechanical components, industrial computing, and safety systems. Furthermore, they focus on offering cost-effective, high-quality solutions, emphasizing customer satisfaction and meeting regulatory requirements.

## KEY CHALLENGES

- **Integration with SAP System:** Essential for streamlined data management and operational efficiency in their complex supply chain.
- **Inventory Management:** Accurately tracking and managing a diverse range of industrial automation components and systems.
- **Supply Chain Optimization:** Ensuring efficient and timely delivery of products to meet customer demands in a competitive market. Managing multiple vendors in an efficient manner.
- **Customer Satisfaction and Service:** Maintaining high service levels to meet customer expectations in a rapidly evolving industry.
- **Technological Adaptation:** Keeping pace with technological advancements in industrial automation and control solutions.

## AT A GLANCE

## CHALLENGES

- Integration with SAP System
- Inventory Management
- Supply Chain Optimization
- Customer Satisfaction and Service.
- Technological Adaptation

## GOALS

- Enhanced Inventory Management
- Streamlined Operation
- Data Integration and Accessibility
- Customer Satisfaction
- Compliance and Reporting
- Operational Agility



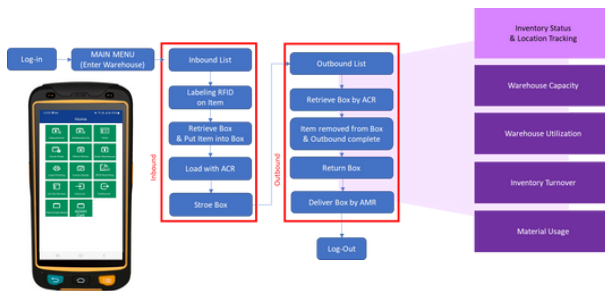


## SOLUTION OFFERED:

The Warehouse Management System (WMS) by ISDN, coupled with an Agile Automated Storage and Retrieval System (aASRS), offers a comprehensive solution to Servo Dynamics' challenges.

The ASRS component enhances the WMS by automating the storing and retrieval of inventory, which significantly improves efficiency and accuracy.

This combination not only streamlines warehouse operations but also optimizes space utilization and reduces manual errors. Together, the WMS and ASRS provide a robust system for real-time inventory management, ensuring quick, accurate access to products, and contributing to overall operational effectiveness and customer satisfaction.



## RESULTS

The implementation of the Warehouse Management System (WMS) by ISDN, integrated with the Agile Automated Storage and Retrieval System (ASRS), for Servo Dynamics is expected to yield several key results:

- **Increased Efficiency:** Faster and more accurate inventory handling, reducing time spent on manual tasks.
- **Improved Inventory Accuracy:** Enhanced tracking and management of stock levels, minimizing discrepancies.
- **Optimized Warehouse Space:** Better utilization of storage space through automated systems.
- **Enhanced Data Integration:** Seamless flow of information between the WMS and SAP for real-time data access and decision-making.
- **Improved Customer Service:** Quicker and more reliable order processing and fulfillment.
- **Compliance and Reporting:** Easier adherence to industry standards and regulations with advanced tracking and reporting features.
- **Operational Flexibility:** Greater adaptability to market changes and customer demands.

## AT A GLANCE

### SOLUTION

- Warehouse Management System
- Agile Automated Storage and Retrieval System (aASRS)

### RESULTS

- Increased Efficiency
- Real-time Insights
- Enhanced Quality Control
- Improved Inventory Management
- Lower cost of ownership
- Future Readiness

### CONCLUSION

In summary, ISDN's WMS and Agile ASRS integration streamlines Servo Dynamics' warehouse operations, automating processes for increased efficiency, accuracy, and optimized space utilization. This results in improved overall effectiveness and heightened customer satisfaction.

Warehouse Operations App Interface	Inbound List	Outbound List	Call AMR	Check Order	Enter Warehouse	Carton Ready	RFID Rewriting
Warehouse Operations Web Interface	Inbound Preparation	Outbound Preparation	Inbound List	Outbound List	Stock Check	Container Management	Warehouse Tasks List
WMS Core Functions	Inventory Management	Warehouse Management	Safety Stock	MES Integration	ACR Integration		
	Item Definitions	Warehouse List	Safety Stock Settings	Item Master	Inbound Tasks		
	Inventory Lots Definitions	Rack List	Shelf-Life Warning	Inventory Lots Master	Outbound Tasks		
	Serial Numbers Management	Rack Locations		Warehouse Locations Master			
	Lots Serial Number List	Container List					
	Lot Summary	Container Locations					

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