



**A UNIFIED PLATFORM**

**FOR END-TO-END**

**AUTOMATION CONTROL**

**AIRVOS™**  
**NEXT-GEN WES**





# AIRVOS™

**NEXT-GEN WES**



**ENHANCING AUTOMATED SYSTEMS  
WITH A SINGLE PLATFORM  
OVER MULTIPLE SOFTWARE SYSTEMS**

## **THE NEXT GENERATION OF WAREHOUSE EXECUTION**

### **Supply chains have evolved.**

Competitive pressures and rising customer expectations are driving greater automation adoption, increasing the need for smarter software orchestration to maintain operational efficiency. At the same time, many existing operations are constrained by rigid, legacy software systems that cannot evolve or scale with business needs - making modernization essential to unlock performance and future growth.

**AIRVOS™**, SAVOYE North America's advanced **Warehouse Execution System (WES)**, synchronizes equipment, workflows, and data in real time while providing end-to-end inventory visibility across your operation.

## **BUILT TO OPTIMIZE AUTOMATED OPERATIONS**

**AIRVOS™ WES** enables operators to:

- ◆ **Maximize resource productivity** across people, equipment, and systems
- ◆ **Prioritize orders intelligently** to meet service and customer commitments
- ◆ **Dynamically allocate inventory** using multi-criteria decision logic in real time
- ◆ **Optimize storage and throughput** for higher operational efficiency

## **DESIGNED BY OPERATORS. POWERED BY DATA.**

Built from the ground up by experienced warehouse software implementation specialists, **AIRVOS™** reflects the realities of live distribution environments.

Backed by decades of automation expertise and enhanced with modern data science and intelligent optimization, the platform helps operations:

- ◆ **Anticipate** demand patterns
- ◆ **Maximize** equipment performance
- ◆ **Adapt** instantly to changing warehouse conditions

## ADVANTAGE OF AiRVOS™

### Optimization

Ensure system reliability with a modern architecture designed for high availability, built-in redundancy, and adherence to current cybersecurity standards.

### Reliability

Synchronize systems using a single execution engine, intelligently sequencing orders based on priority constraints, equipment capacity, and AI-driven algorithms.

### Scalability

Simplify business evolution with a microservice-based architecture that enables fast, modular service deployment. Streamline system implementation and support secure, low-risk upgrades that leverage simulation and Continuous Integration / Continuous Deployment (CI/CD) practices to validate changes before installation and minimize production downtime.

### Integration

Integrate SAVOYE equipment and best-fit, third-party automation and robotics through standardized interfaces. AiRVOS™ remains fully equipment-agnostic, enabling seamless communication with both proprietary and non-SAVOYE technologies, as well as third-party WMS platforms, via a unified microservices architecture.

### Real-Time Visibility

Ensure 360° data using a global supervision interface with dashboards for data analytics, KPIs and alert systems for equipment status, maintenance and operations.



## NEXT GEN WES SOFTWARE

### INTELLIGENT WAREHOUSE ORCHESTRATION

AiRVOS™ goes beyond traditional controls by acting as the intelligence layer between your WMS and automation. It dynamically releases work, balances system load, and optimizes equipment utilization in real-time.

### ENHANCING WMS - NOT REPLACING IT

AiRVOS™ extends the value of your existing WMS by serving as a unified execution interface and single operational control point. It manages inventory movements across multiple AS/RS and automation subsystems while simplifying data exchange and reducing response time. Customers gain faster decision-making and greater inventory visibility.

### MULTI-TECHNOLOGY SYNCHRONIZATION

Modern warehouses rely on a mix of technologies - shuttles, conveyors, GTP, robotics, pallet handling, packing, and more. AiRVOS™ synchronizes all automated processes in real time, ensuring each system works as a part of a coordinated whole. This maximizes asset utilization and improves overall system performance.

### REAL-TIME VISIBILITY

With advanced analytics and operational dashboards, AiRVOS™ provides actionable insights into system health, throughput, and bottlenecks. Proactive alerts and performance monitoring enable teams to anticipate issues before they impact production.

### MICROSERVICES ARCHITECTURE

Designed from the ground up using scalable microservices, AiRVOS™ offers flexibility, resilience, and future-readiness. Its modular structure allows features to be deployed, updated, or expanded without disrupting operations. For customers, this means you get a platform that evolves with your business.

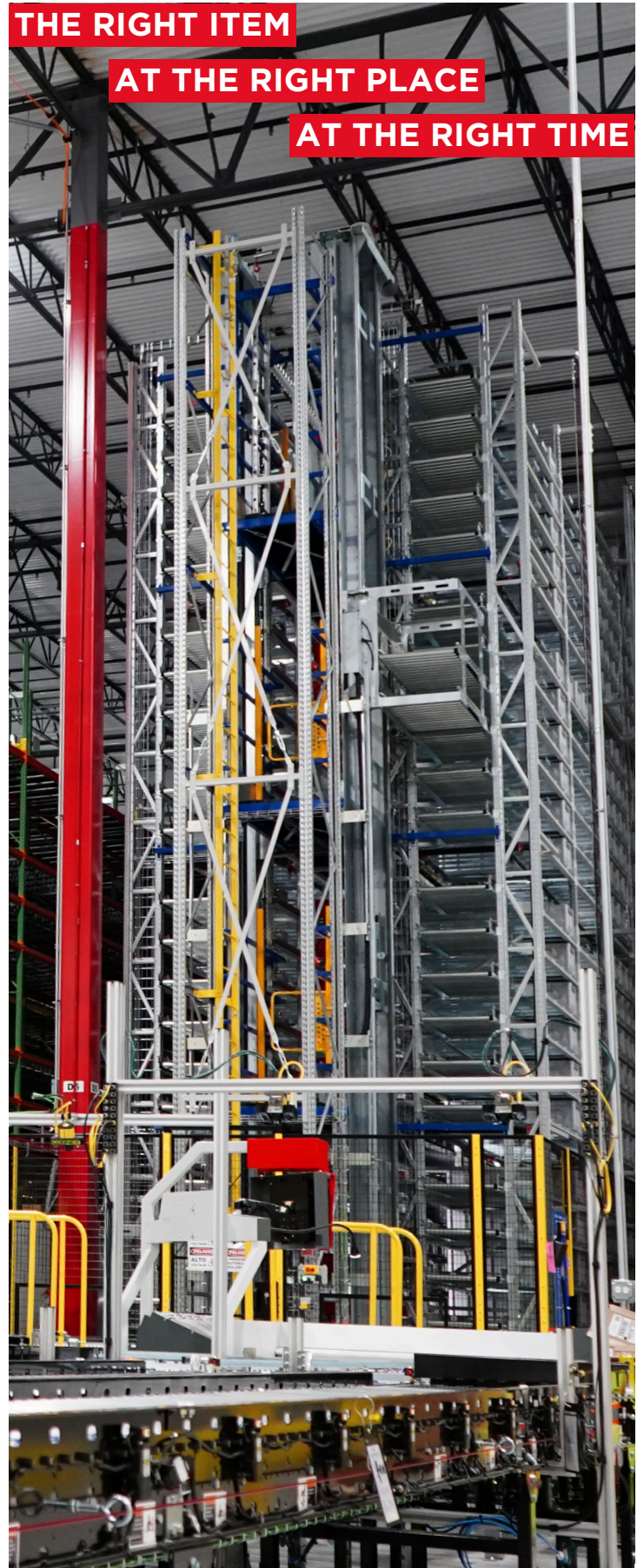
### MODERNIZATION WITHOUT DISRUPTION

AiRVOS™ is ideal for brownfield upgrades and legacy system modernization. It integrates with existing automation and controls environments, enabling performance improvements without full system replacement. Customers can extend asset life, increase scalability, and transition toward next-gen capabilities at a controlled pace.

**THE RIGHT ITEM**

**AT THE RIGHT PLACE**

**AT THE RIGHT TIME**





### ADVANCED TECHNOLOGIES

Automated Picking - GTP Workstation  
Automated Storage - X-PTS Shuttle System  
Automated Packaging - Jivaro & PAC600

### ADVANCED SOFTWARE

Warehouse Execution System - AiRVOS™  
Warehouse Control System

### INTEGRATION

End-to-End Solutions  
Performance-Driven Execution  
Agnostic System Connectivity

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