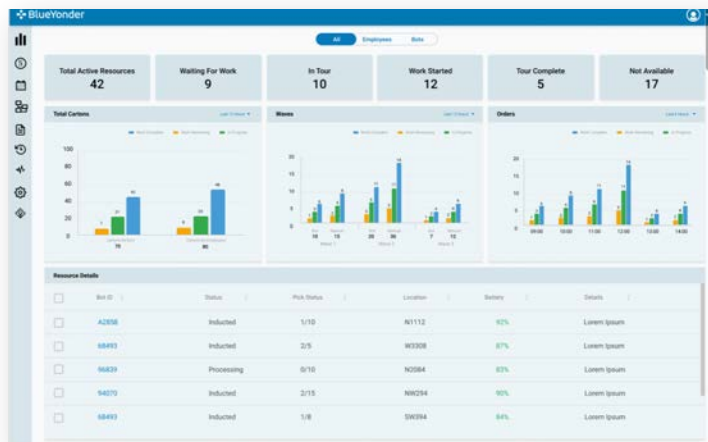# Robotics Hub

Reduce costs, improve time to value, focus on your business

Business context

With ecommerce proliferation, a shrinking labor market, and high throughput fulfillment requirements on the rise; automation technologies such as robots, AMRs and AGVs are increasingly finding their way into warehouses and DCs. However, on-boarding such robots requires highly complex, customized integrations, and leads to vendor lock-in, providing little flexibility to switch. Additionally, it is cost prohibitive due to the high cost of maintenance and upgrades. Further, the customers are challenged as different robot vendors manage their own robots through providing disparate views for operations managers to handle islands of automation within the same warehouse or DC.

Solution description

Blue Yonder's robotics hub is a SaaS-native application built on Microsoft Azure that enables accelerated onboarding of multiple robotics vendors in a warehouse. The robotics hub helps increase time to value by onboarding robotics vendors rapidly, and enhances operational flexibility by removing vendor lock-in. For warehouse managers and supervisors, this solution will help improve visibility across different automation solutions through a single operations dashboard.

Real results

New vendor onboarding time reduced by

50%

Reduced cost of implementation of existing vendor into a new site by

60%

Key features

- Vendor agnostic robotics hub offered as a service.

- Exception handling through IoT events.

- Combined analytics across robotics and manual operations.

- Optimized automation tasking with integrated warehouse tasking.

Capability details

Standard APIs

Extensible APIs accelerate onboarding of one or multiple robotic vendors, making robotics hub a completely vendor-agnostic solution.

Real-time dashboard

A centralized, intuitive, real-time operations visibility dashboard with standards KPIs provide visibility across robotics vendor solutions, providing a single view and control to operations and warehouse managers and supervisors.

Dynamic workflows

Outbound order fulfilment and replenishment workflows leverage the strengths of the integrated warehouse management solution.

Alerts and exceptions

Increased visibility enables proactive responses to exceptions with alerts and error handling.

Key benefits

- Augment the shrinking workforce with robotics.

- Increase speed to value by reducing the onboarding process and achieve a faster ROI.

- Gain insights about your operations across multiple robotics vendors from a single dashboard.

- Robotics vendors offer different capabilities at different prices. Don't get tied down to one vendor. Pick and choose what's best for your operation for increased operational flexibility.

- Out of the box AI and ML capabilities to improve efficiency.

Digital transformation is at your fingertips

To learn more, visit:

blueyonder.com/solutions/robotics-hub

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