Savant Container Tracking Module

Key features of an embedded Container Tracking module in an advanced WMS:

The Savant Container Tracking module serves two main goals for your receiving department. First, it allows for a grouping of Purchase Orders within an Ocean Container (or other equipment) to be received in a streamlined process. Second, the module also provides insight into your container tracking data and helps to enable additional necessary status updates after arriving at your facility. The Savant Container Tracking module in conjunction with the Savant WMS Receiving module includes the following features:

1. Integration with Receiving Module: The Container Tracking module seamlessly integrates with the Receiving module of Savant WMS. It captures relevant information about containers arriving from overseas, such as vessel details, voyage information, and container numbers, ensuring a smooth transition from the receiving process to container tracking.

2. Container Grouping: The module allows the purchasing department to group lines from various purchase orders (POs) into containers based on information received from the shipping entity. This grouping feature simplifies container management and provides a consolidated view of shipments associated with specific containers. After receiving by container number, this module splits the receiving information across the original purchase orders and updates the ERP system similar to the receipt by individual PO process.

3. Container Information Management: The Container Tracking module stores and manages essential details related to each container, including container numbers, seal numbers, carrier information, and container sizes. This information is crucial for tracking and monitoring containers throughout their journey.

4. In-Transit Tracking: The module provides in-transit information for containers arriving from overseas. It displays the movement of containers from the time they ship until they are returned to the harbor as empty. This tracking feature allows users to monitor container progress and estimate arrival times accordingly.

5. Vessel and Voyage Tracking: The Container Tracking module captures vessel and voyage information associated with each container. It provides visibility into vessel schedules, departure dates, estimated arrival dates, and other voyage-related details. This information is essential for coordinating logistics and planning subsequent operations.

6. Date Tracking: The module displays various dates associated with the movement of containers such as shipment date, dock arrival date, estimated time of arrival (ETA), the actual time of arrival (ATA), empty date/time, and container return date/time. This date tracking feature enables users to monitor timelines, analyze performance, and make informed decisions based on the supplied data.

7. Integration with External Systems: The Container Tracking module integrates with external systems, such as carrier systems or shipping entities' platforms, to exchange data and retrieve up-to-date container tracking information. One such integration, AcuContainer for Acumatica by Information Integration Group, Inc., provides seamless communication and synchronization of real-time container and PO related data between systems.

8. Reporting and Analytics: The module provides reporting and analytics capabilities, allowing users to generate container-related reports, track container utilization, analyze vessel performance, and assess container turnaround times. These insights help identify bottlenecks, optimize container management, and improve overall logistics efficiency.

9. Return Container Management: The module facilitates the management of container returns. It tracks and manages the return process, including the important last free day to help plan unloading priorities and coordinating with carriers for container pick-up.

10. Visibility: The Container Tracking module offers real-time visibility into container locations, statuses, and milestone updates. Plus, with third party integrations such as IIG's AcuContainer ISV solution, real-time information can be passed down to Savant WMS from Acumatica as provided by Vessel Finder before the container arrives. After arrival to your dock, warehouse personnel update Savant to help complete the container tracking lifecycle where these systems leave off.

11. Integrations with REST API and External Systems: The Container Tracking module integrates with REST API tools and external systems, enabling seamless data exchange with other key business applications. This integration streamlines information flow, enhances data accuracy, and supports end-to-end container management across systems.

These features collectively enhance container visibility, streamline container management processes, optimize logistics planning, and improve overall operational efficiency in the management of containers within an advanced WMS.

Savant Container Tracking Sample Use Case:

Step 1: Container Arrival
        1.1. The Container Tracking module receives information about containers arriving from overseas.
        1.2. The module captures container details, including container numbers, vessel information, and voyage details.

Step 2: Purchase Order Grouping
        2.1. The purchasing department utilizes the Container Tracking module to group lines from various purchase orders (POs) into containers as uploaded from an Excel spreadsheet in the absence of an integration.
        2.2. Information received from the vendor or shipping entity helps determine which PO lines should be grouped together in each container.

Step 3: Receiving Process
        3.1. The Receiving module of the Savant WMS works in conjunction with the Container Tracking module.
        3.2. The warehouse receiving crew receives the goods from the container as a single unit, avoiding the need to split up the goods manually into multiple receipts by PO.
        3.3. The receiving process is streamlined, as the goods from a container are treated as a cohesive entity.

Step 4: Container Tracking
        4.1. The Container Tracking module tracks the movement of containers from the time they ship until they are returned to the harbor as empty.
        4.2. The module captures container statuses, including multiple event dates.
        4.3. Real-time tracking provides visibility into container locations and helps estimate container arrival times.

Step 5: Vessel and Voyage Tracking
        5.1. The Container Tracking module incorporates vessel and voyage tracking capabilities.
        5.2. Relevant vessel and voyage information is recorded, including vessel schedules, departure dates, estimated arrival dates, and other voyage-related details.
        5.3. This information assists in coordinating logistics and planning subsequent operations.

Step 6: Date Tracking
        6.1. The module captures various dates associated with container movement.
        6.2. Dates such as ETA, ATA, departure dates, and container return dates are recorded and monitored.
        6.3. Date tracking allows for accurate tracking of container timelines and analysis of container handling performance.

Step 7: Reporting and Analytics
        7.1. The Container Tracking module provides reporting and analytics functionalities.
        7.2. Users can generate reports on container utilization, vessel performance, container turnaround times, and other relevant metrics.

7.3. Analyzing this data helps identify trends, optimize container management, dispute demurrage and/or detention charges and improve overall logistics efficiency.

Step 8: Return Container Management
8.1. The module facilitates the management of return containers.
8.2. It tracks and manages the return process, updating container status and generating return documentation.
8.3. Coordination with truckers for container pick-up is streamlined through the module.

Conclusion:
The Savant WMS Container Tracking module simplifies container management and enhances operational efficiency. It may even save you from demurrage or detention charges. By working in conjunction with the Receiving module, it enables the grouping of purchase order lines into containers, reducing manual effort during receiving. The module tracks container movement from arrival to return, capturing vessel and voyage details and various important dates. With reporting, analytics, and return container management capabilities, the module provides comprehensive container visibility and facilitates optimized logistics planning within the Savant WMS system.