

Oracle Cloud WMS for Food and Beverage



Intellinum

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The Food and Beverage (F&B) industry faces a set of continuing shifting challenges from increased consumer demand to stringent regulatory requirements across the global supply chain, to ever-increasing supply and operating costs. To meet these challenges, Oracle's Cloud Warehouse Management System (WMS) offers a robust, integrated platform that enhances operational efficiency, reduces waste, ensures compliance. Oracle Warehouse Management Cloud provides real-time insights across all supply chain and logistics operations.

Key Benefits for the Food and Beverage Industry

1. **Streamlined Warehouse Operations:** Oracle WMS simplifies inventory and material handling, ensuring F&B manufacturers maintain optimal stock levels and fulfill orders efficiently. Key functionalities include:



- **Real-Time Inventory Tracking:** Utilize lot, batch, and serial number tracking to reduce stockouts and monitor production flows effectively.
- **B2B and B2C Fulfillment:** Provide robust support for multi-channel work streams by supporting differing outbound fulfillment processes across business-to-business and direct-to-consumer channels: optimize order allocations, routing, and inventory management.
- **Manage Customer Owned Inventory:** Food and Beverage customers are finding new market opportunities in the world of logistics by providing warehousing services for customer-owned inventory alongside their main-line production business. Oracle Warehouse Management Cloud provides native 3PL Hierarchy functionality to enable organizations to seamlessly extend services offerings to complement their product offerings.
- **Automated Warehouse Operations:** Integrate material handling equipment (MHE) such as conveyors, sorters, and pick-to-light systems to automate key warehouse functions, minimizing manual errors and boosting productivity.
- **Reverse Logistics:** Gain better control over returns processes, ensuring accurate inventory management and risk reduction.

2. **Enhanced Compliance and Safety:** The F&B industry is highly regulated, requiring companies to comply with food safety standards, allergen management, and product traceability. Oracle WMS helps businesses stay compliant by:



- **Closed-Loop Quality Management:** Automate quality control processes across procurement, inventory, and manufacturing, ensuring adherence to safety standards and quality regulations.
- **Traceability and Recall Readiness:** Leverage track-and-trace capabilities to maintain product history and respond swiftly in case of recalls.
- **Regulatory Compliance:** Oracle WMS integrates with other Oracle applications to facilitate documentation and process management, ensuring compliance with local and international food safety regulations. Enhanced lot control enables tracking of additional properties at the lot level; allergen attributes, use by or expiry dating and category level stocking rules allow Food and Beverage companies to streamline putaway and optimizing warehouse routes.
- **Customer Compliance:** Configurable allocation rules with the ability to set customer specific shelf-life parameters allow for Customer Restricted FEFO allocation and compliance with available shelf-life minimums. Native labeling capabilities ensure that customer compliance labeling requires no user intervention.

3. **Operational Efficiency:** Oracle Cloud WMS provides advanced features that enable F&B companies to optimize their warehouse operations:



- **Directed Putaway and Slotting Optimization:** Streamline material intake, quality release and putaway with rules based quality and putaway rules capable of handling allergen and other storage restrictions and expiry based slotting suggestions. Utilize real-time, AI driven analytics to optimize storage and picking paths, reducing handling times and improving throughput.
- **Wave and Task Management:** Simplify order picking and packing processes with configurable wave allocations and task grouping, ensuring faster order fulfillment. Combine inbound, outbound and inventory tasks with task interleaving features to group like tasks to minimize travel times.
- **Multi-Stop Routing:** Optimize outbound logistics by planning efficient delivery routes with multi-stop allocations, ensuring on-time deliveries.

4. **Integration with Oracle Cloud SCM, ERP and Transportation Management:** Oracle WMS is fully integrated with Oracle's comprehensive Supply Chain Management (SCM), Enterprise Resource Planning (ERP) and Transportation Management (OTM) systems. This enables seamless coordination between warehouse, inventory, procurement, production, logistics and financial operations. Key features include:



- **Real-Time Data Flow:** Synchronize warehouse data with manufacturing and supply chain functions, providing a holistic view of operations and enabling data-driven decision-making.
- **Improved Forecasting and Demand Planning:** Oracle WMS integrates with advanced analytics tools to forecast demand more accurately, minimizing stockouts and waste while ensuring timely order fulfillment.
- **Scalability and Flexibility:** The platform is scalable to support operations across multiple regions and business units, allowing manufacturers to adapt to changing demands and market conditions.
- **Advanced Technology Integration:** Oracle WMS takes advantage of cutting-edge technologies to drive smarter, more efficient operations:
- **IoT Integration:** Leverage IoT devices to collect real-time data from machinery and warehouse equipment, providing insights into performance and enabling proactive issue resolution.
- **AI-Powered Automation:** AI capabilities within the Oracle Cloud platform support predictive maintenance, demand forecasting, and dynamic scheduling, helping businesses optimize inventory and reduce operational disruptions. Leverage native, AI driven Market Basket and Order Cycle Time analysis to add intelligence to your putaway, slotting and stock rotation programs.
- **Cloud Security and Compliance:** Ensure data integrity and compliance with stringent food safety standards, as Oracle Cloud Infrastructure (OCI) delivers robust security features and disaster recovery options.

Case Studies and Results

Oracle WMS has demonstrated significant value for leading food and beverage companies. For example, **Grupo Bimbo** streamlined their operations by using Oracle Cloud applications to integrate their global systems, reduce production costs, and improve data access for decision-making. **Land O'Lakes** also benefited from Oracle WMS by improving the quality of data and gaining real-time visibility into their operations, leading to better supply chain management and enhanced customer satisfaction.

Unilever successfully optimized their logistics and transportation processes with Oracle Transportation Management, contributing to a more sustainable supply chain and reducing CO2 emissions.

Conclusion

Oracle Cloud WMS provides food and beverage manufacturers with a comprehensive, scalable, and integrated solution to optimize warehouse management, improve supply chain visibility, ensure compliance, and enhance operational efficiency. With advanced features like automation, AI-powered insights, and real-time analytics, Oracle Cloud WMS is a key tool for F&B companies seeking to modernize their operations, reduce waste, and deliver high-quality products to their customers.

By adopting Oracle Cloud WMS, food and beverage companies can stay ahead of industry trends, enhance product safety, improve inventory accuracy, and drive greater customer satisfaction, positioning themselves for long-term success in a dynamic market.

Oracle Cloud WMS for the Food and Beverage Industry

For more information, contact Oracle's sales team or visit the Oracle website to explore additional resources and case studies.



“Grupo Bimbo has to create the right product, distribute it at the right time, and sell it at the right sales point in every country where it has presence. With more and better data, global systems, and faster, standardized processes, we can achieve this while also making the lives of our colleagues on the front lines easier and more efficient.”

Raúl Obregón, Chief Information and Transformation Officer, Grupo Bimbo



“With spreadsheets we couldn’t plan more than six weeks out. After implementing Oracle Supply Chain Management, we could see light at the end of the tunnel and develop a meaningful 12-month demand and supply forecast. We plan to be an Oracle customer for years to come.”

Marc Weinstein, Chief Supply Officer, Santa Cruz Nutritionals