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Oracle Fusion Cloud Logistics

Persistent disruptions, which influence both demand and supply dynamics, as well as labor and capacity considerations, constantly influence the field of logistics operations. Getting the right products to the right people, and at the right time and place involves optimizing orders, shipments and inventory, warehousing, distribution, transportation, and fulfillment activities across multi-modal networks and geographies. Oracle Fusion Cloud Logistics is an integrated solution that seamlessly and sustainably manages transportation, global trade, and warehousing activities via unified business processes. With technology for transportation planning and execution, trade compliance, customs management, and warehouse management, you no longer need to manually integrate multiple applications and technologies to execute unified logistics processes.

Built for supply chains in the age of AI

Oracle enables organizations to address these logistics challenges directly with intelligent automation, embedded AI-driven insights, and real-time visibility across transportation, global trade and distribution workflows. Through built-in AI capabilities—including shipment transit prediction, order route prediction, product classification, dynamic slotting and order fulfillment cycle times, and new AI Agents such as the Inventory Task Management Assistant, Wave Research Assistant, Inventory Expiry Assistant, and Rate Inquiry Assistant and Diagnostics Assistant—Oracle helps organizations streamline operations, minimize downtime, and strengthen compliance, creating a more connected and resilient logistics ecosystem.
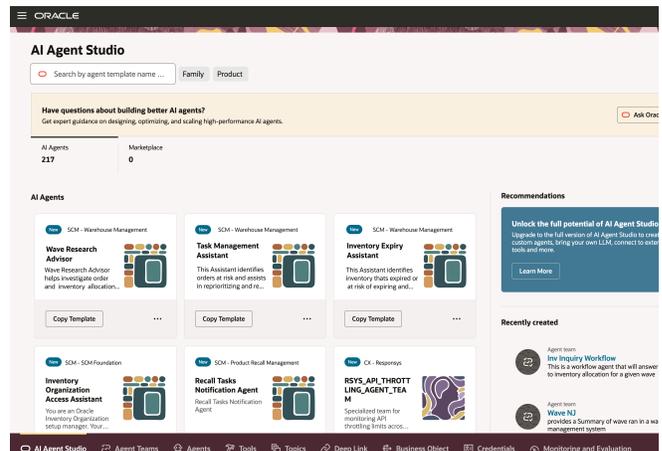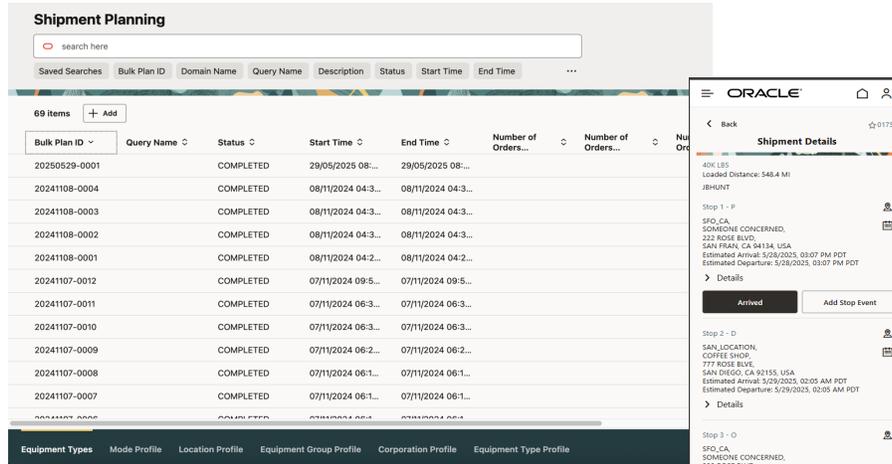

Figure 1. New AI Agents for Logistics

Delivering on-time shipments

Lack of real-time visibility into in-transit shipments leads to delayed shipments and out-of-stock situations, with businesses depending on disjointed transportation systems find it challenging to remain competitive. In the present landscape, the imperative is to adopt a digitally integrated logistics network to enhance resilience and successfully navigate various uncertainties.

Oracle Transportation Management optimizes shipments across transportation networks, maximizing productivity and capacity usage, reducing costs, and calculates transportation emissions, while improving decision making and sustainability tracking by simulating transportation options. Stay ahead of changes with an adaptive logistics network using Logistics Network Modeling. Perform detailed, what-if scenario modeling based on the operational details of your existing transportation network and to get highly accurate results.

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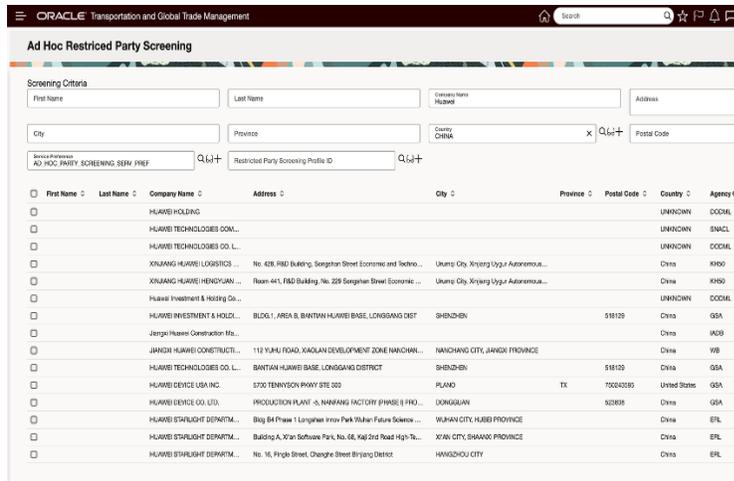Figure 2. Shipment planning and new mobile experience in Oracle Transportation Management

Oracle Transportation Management uses predictive AI and AI Agents to predict shipment transit times and identify the most cost-effective shipping routes. These tools help predict optimal arrival times, avoid congested ports and identify at-risk shipments, reducing costs associated with shipment delays and safety stock.

Streamline cross-border business processes

Many companies depend on manual approaches for overseeing their import and export operations. They face challenges in adapting to tariff adjustments and navigating the intricate landscape of trade regulations. Embracing a comprehensive global trade management system that seamlessly integrates with logistics and business operations will empower you to implement optimal trade strategies, prevent expensive delays, and minimize exposure to avoidable risks.

Oracle Global Trade Management lets you centrally manage business processes related to cross-border trade. Easily automate customs filing and reduce operational risk by defining and enforcing global trade regulations and corporate policies. Support for trade incentive programs help companies utilize duty drawback and mitigate the impact of tariffs on the supply chain by tracking goods and duties from import to export.

Figure 3. Restricted Party Screening workbench in Oracle Global Trade Management
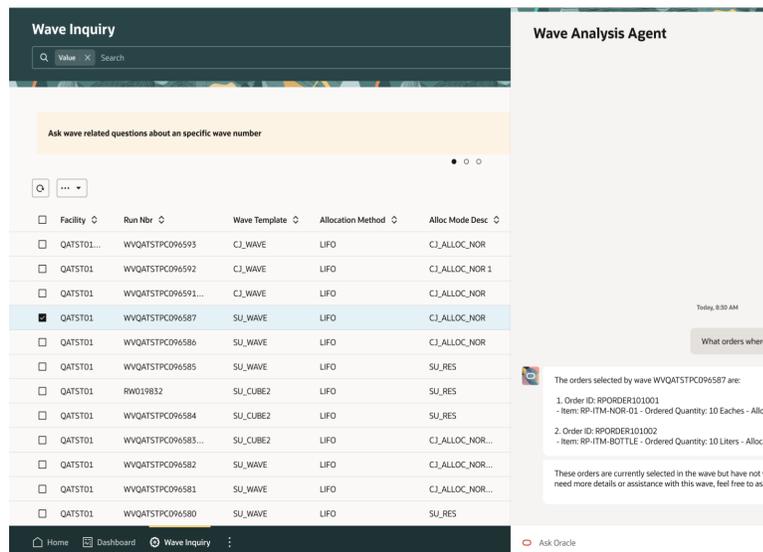
Oracle Global Trade Management leverages AI to automate and accelerate the assignment of product classifications and export control lists. Improved classification accuracy helps shippers and distributors stay compliant, reduces and eliminates possible customs penalties, and minimizes shipment delays.

Transform and automate fulfillment operations

Many warehouse supervisors face challenges in coordinating the end-to-end logistics processes essential for timely fulfillment operations. To meet the demands of digitally connected consumers, it is imperative to have comprehensive visibility into rapidly moving inventory, extending from regional distribution centers to local warehouses, reaching retail shelves, and ultimately, your home.

Oracle Warehouse Management transforms distribution for the new and evolving fulfillment economy. With robust extended warehouse management, workforce management, and warehouse automation capabilities, the solution combines the speed and savings of the cloud with "best-of breed" fulfillment functionality while giving companies a 360-degree view of their inventory without the high maintenance costs and upgrade trap of traditional solutions.

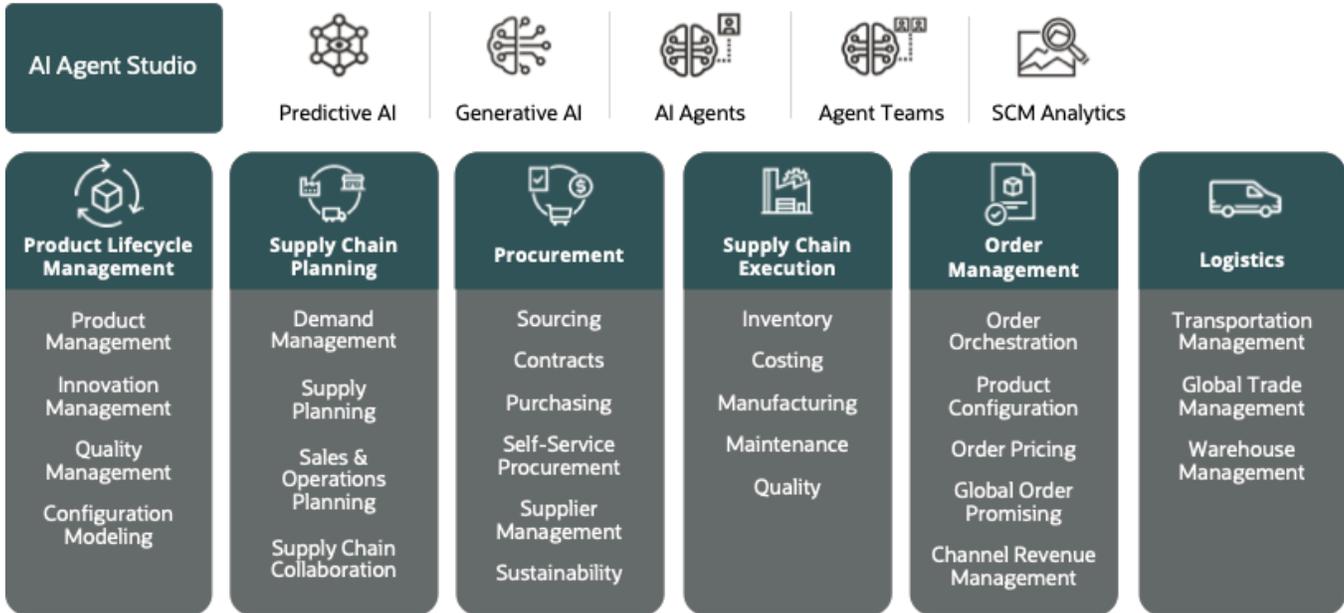Figure 4. Wave Analysis AI Agent in Oracle Warehouse Management

Oracle Warehouse Management leverages built-in AI in dynamic slotting, predict order fulfillment cycle times and identify at-risk goods and to provide intelligent wave summaries. With new AI Agents that include the Wave Research Advisor, Task Management Assistant and Inventory Expiry Assistant, warehouse managers are equipped with intelligent tools to optimize warehouse utilization, automate routine tasks, and reduce costs associated with inventory and distribution.

Deliver bottom-line results with a smart, responsive supply chain

Implementing world-class logistics doesn't have to be expensive or disruptive. Oracle Fusion Cloud Supply Chain and Manufacturing (SCM) is the industry's most complete suite of supply chain applications, and we continuously deliver new capabilities across the entire footprint. You get immediate access to new feature enhancements, and bug fixes

upon release, with the flexibility to "opt-in" to significant changes. You can operationalize AI in many ways, but you can only do it right with Oracle SCM.

Figure 5. Oracle Fusion Cloud Supply Chain and Manufacturing (SCM) Suite

To learn more about the Oracle Fusion Cloud SCM suite, visit oracle.com/scm.

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