

Why Industrial Manufacturing Companies Should Consider Oracle Supply Chain and Logistics Applications in Their Transformation Journey



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INTRODUCTION

Industrial manufacturers are under pressure to evolve — facing fluctuating demand, geopolitical risk, labor shortages, and supply chain disruptions. Competing in this environment requires more than incremental improvement; it demands a digital transformation built on agility, real-time data, and operational resilience.

Oracle Fusion Cloud Supply Chain & Manufacturing (SCM) — including Oracle Cloud Warehouse Management (WMS) and Oracle Transportation Management (OTM) — delivers the end-to-end visibility and intelligence industrial manufacturers need to transform their supply chains and thrive in a dynamic global market.

Key Reasons to Consider Oracle Cloud SCM, WMS & OTM

Smart, Scalable Technology That Powers Industrial Growth

Oracle's cloud-native supply chain suite is built on Oracle Cloud Infrastructure (OCI), which provides a secure, high-performance platform optimized for manufacturing workloads. Embedded AI, IoT, and advanced analytics support smarter decision-making across operations — from factory floor to final delivery.

Customer Example: Yamaichi Electronics USA speeds delivery times with Oracle Fusion Cloud ERP, SCM, which brought end-to-end traceability in its outside processing and contract manufacturing operations, significantly improving visibility of work in process and on-time delivery performance.

>> [Oracle SCM Manufacturing Customer Story](#)





ORACLE®

Oracle Cloud WMS: Precision Control for Complex Warehouse Operations

Oracle Cloud WMS is a robust, cloud-native solution that gives manufacturers complete control over their warehouse operations, including:

- Real-time visibility and inventory tracking across multiple facilities including lot, serial, batch and LPN controls to keep your inventory flowing effectively
- B2B and B2C Fulfillment – Deliver strong support for multi-channel operations by accommodating distinct outbound fulfillment processes for both business-to-business and direct-to-consumer channels. Streamline order allocation, routing, and inventory management for maximum efficiency.
- Mobile-driven workflows for receiving, picking, material replenishment, packing, and shipping
- Integrated automation support (e.g., conveyors, AMRs, RFID)
- Intelligent task orchestration and labor optimization

Why it matters for industrial manufacturers: With high-value inventory, complex bill-of-materials, and tight production schedules, Oracle WMS enables leaner warehousing, faster fulfillment, and fewer errors — whether in a single plant or across a global network.

Customer Example: Madegom reduces logistics costs by 10% with Oracle SCM Cloud & WMS. Chilean medical supply manufacturer achieves 99% order fulfillment rate while reducing logistics costs by 10% using Oracle Warehouse Management Cloud.

>> [Oracle SCM, Manufacturing & WMS Customer Story](#)

Oracle Transportation Management (OTM): Move Smarter, Spend Less

Oracle OTM helps industrial manufacturers plan, execute, and optimize inbound and outbound logistics across all transportation modes. Capabilities include:

- Freight rating and carrier selection automation
- Multi-modal shipment planning and load consolidation
- Real-time shipment visibility and event tracking
- Freight audit and payment automation



Why it matters:

As transportation costs rise and service expectations grow, OTM helps industrial firms reduce spend, improve delivery performance, and mitigate disruptions — all while supporting global compliance and sustainability goals.

Customer Example: GE Power uses Oracle Cloud SCM and Logistics applications to integrate global supply chain processes, improve shipment visibility, and optimize transportation across its energy equipment and service operations.

Customer Example: Klabin reduces freight costs with Oracle Transportation Management. The largest producer and exporter of packaging papers in Brazil adopts Oracle SCM, Manufacturing & Transportation Management to gain better results for customers.

>> [Oracle OTM Customer Story](#)

End-to-End Functionality for Industrial Manufacturing

Oracle supports a range of manufacturing models (engineer-to-order, configure-to-order, make-to-stock, etc.) with fully integrated capabilities:

Application	Key Benefit
Product Lifecycle Management (PLM)	Connect design, engineering, and manufacturing for faster time to market
Supply Planning	Balance demand and capacity with intelligent what-if simulations
Manufacturing Execution	Monitor shop floor productivity and digitize production tracking
Oracle WMS	Maximize warehouse efficiency and accuracy with intelligent fulfillment
Oracle OTM	Reduce freight costs and improve delivery reliability with optimized logistics
IoT & Predictive Analytics	Enable predictive maintenance, asset monitoring, and quality control



Measurable Business Outcomes

Manufacturers moving to Oracle Cloud SCM — including WMS and OTM — report meaningful improvements in performance and efficiency:

- 30%+ reduction in inventory carrying costs with real-time visibility from WMS
- 20%+ decrease in transportation costs using optimized routing and load planning from OTM
- 30–40% faster order fulfillment through mobile-enabled warehouse operations
- Greater on-time delivery rates and fewer customer chargebacks due to increased accuracy and shipment visibility

What Makes Oracle Unique?

Oracle Advantage	Industrial Impact
Unified Cloud Platform	One data model across SCM, ERP, and HCM — eliminates silos and reconciliations
Built-in Intelligence	AI-driven recommendations in planning, logistics, and warehouse tasks
Proven in Complex Environments	Used by global leaders in power, energy, automotive, and aerospace
Cloud Agility & Security	Scale across geographies with built-in compliance and global reach
Continuous Innovation	Quarterly updates bring rapid enhancements

Conclusion

Oracle Cloud SCM, WMS, and OTM give industrial manufacturers the digital foundation they need to modernize operations, respond quickly to market shifts, and compete globally. These solutions are not just “cloud versions” of legacy tools — they are intelligent, integrated, and engineered for transformation.

Whether optimizing a single warehouse or reimagining a global supply chain, Oracle offers the technology, scalability, and industry expertise to support your journey.

Industrial transformation begins with supply chain modernization — and Oracle Cloud is built for both.