

Warehouse Digital Twin

Improve warehouse efficiency with support for real-time operational decision making

Wipro's Warehouse Digital Twin solution creates a digital replica of the warehouse, giving business users the ability to digitally design, simulate, and test new warehouse processes to identify opportunities for layout improvements, capacity optimizations, and higher resource utilization.

Improve warehouse efficiency by 20%-25% using Digital Twins

Key takeaways



Unlock value from receiving, picking and other warehouse processes with better layout design, optimum capacity and streamlined material movement

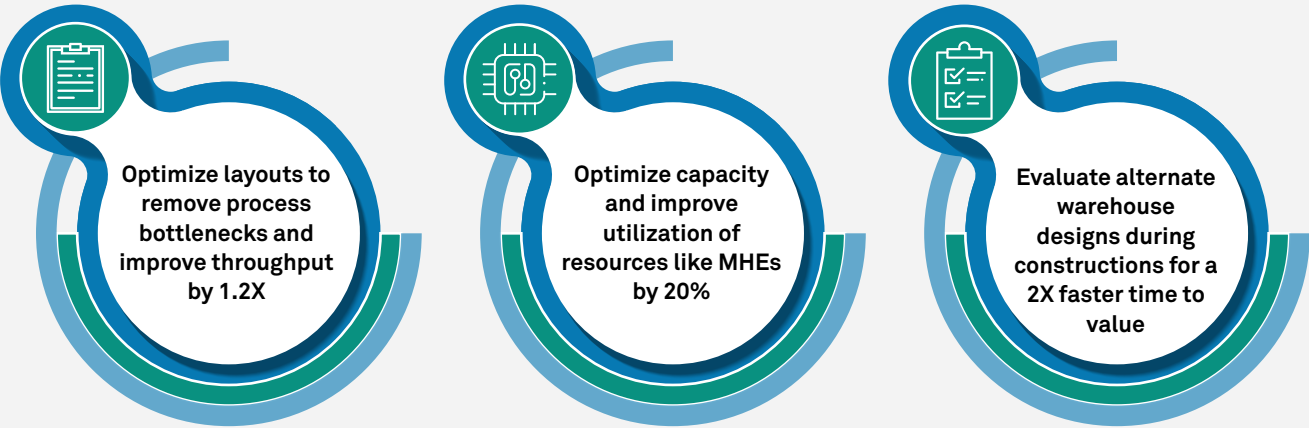


Enable better planning for supply chain disruptions with alternate scenario models and what-if analyses



Empower business users with the ability to take fast decisions leveraging a Digital Twin COE setup

Key benefits



- Optimize layouts to remove process bottlenecks and improve throughput by 1.2X**
- Optimize capacity and improve utilization of resources like MHEs by 20%**
- Evaluate alternate warehouse designs during constructions for a 2X faster time to value**

Features

3D representation

Visualizes operations in a greenfield facility even before it is commissioned

As-is process modeling

Reduces non-value-added activities in receiving, picking and other warehouse processes

Scenario Building and what-if analysis

Enables existing process optimization, capacities, and layouts

Integrations to IT and OT systems

To bring real-time data and visibility into existing operations

Analytics and Reporting

To assist users to make faster decisions

Digital Twins can reduce staffing needs by 15%-20



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