



Case Study

15% improvement in operational efficiency with a **Paperless Production and Inventory Management Solution**

# Client

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The clients are the chemical and lubricant manufacturing divisions of a US-based O&G major, with chemical and lube plants across continents.

# Business Challenges

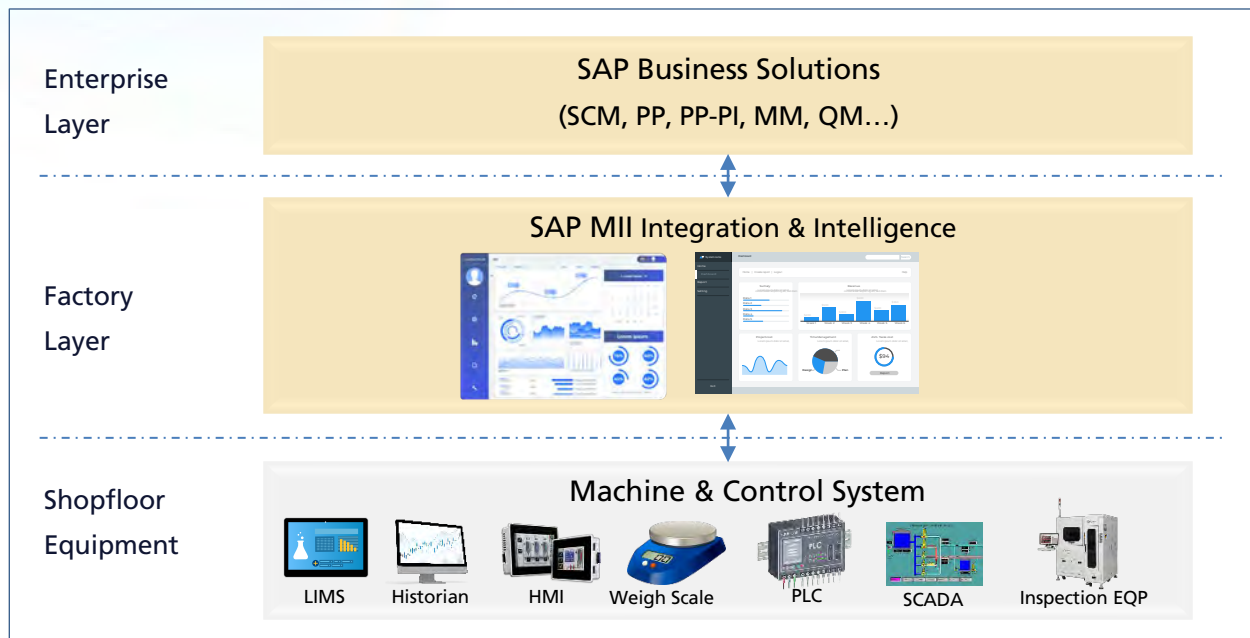
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- Inadequate and time-consuming physical warehouse inventory process leading to poor inventory visibility
- No real-time visibility into production processes due to lack of synchronization between executing manufacturing orders, recording consumption and production, and updating inventory
- Lack of integration between warehouse and production including QM
- Need for synchronization between release orders in SAP, actual deliveries, and inventory changes



# Solution Highlights

- Completely integrated near real-time manufacturing solution by bringing together SAP MII, SAP PM, SAP EWM, SAP QM, shop floor DCS (Yokogawa and Rockwell), PCN,
- real-time equipment monitoring, OEE, sales planning, mobility, analytics, and KPI dashboards
- SAP MII used as a data hub to collect data from DCS and integrate it with ERP for delivering real-time insights into
- day-to-day operational performance and efficiency
- Mobile solution with enhanced user experience and
- Fiori-based, device-agnostic UI enhancement for all applications



# Outcomes Delivered

- Completely integrated near real-time manufacturing solution with real-time, role-based dashboards with data visualization and clearly defined metrics and KPIs
- Seamless and paperless production, inventory management, and distribution for lubricants and chemicals
- Scalable architecture to accommodate future digital initiatives for plants across regions

# Business Benefits



**10% reduction** in inventory with zero production shortages



**15% improvement** in warehouse operations efficiency due to automated and efficient real-time counting, and batch and material tracking



**20% reduction** in delays and demurrages

## About LTIMindtree

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