



Case study

10% Reduction in Inventory with Paperless Production and Inventory Management Solution

Client

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



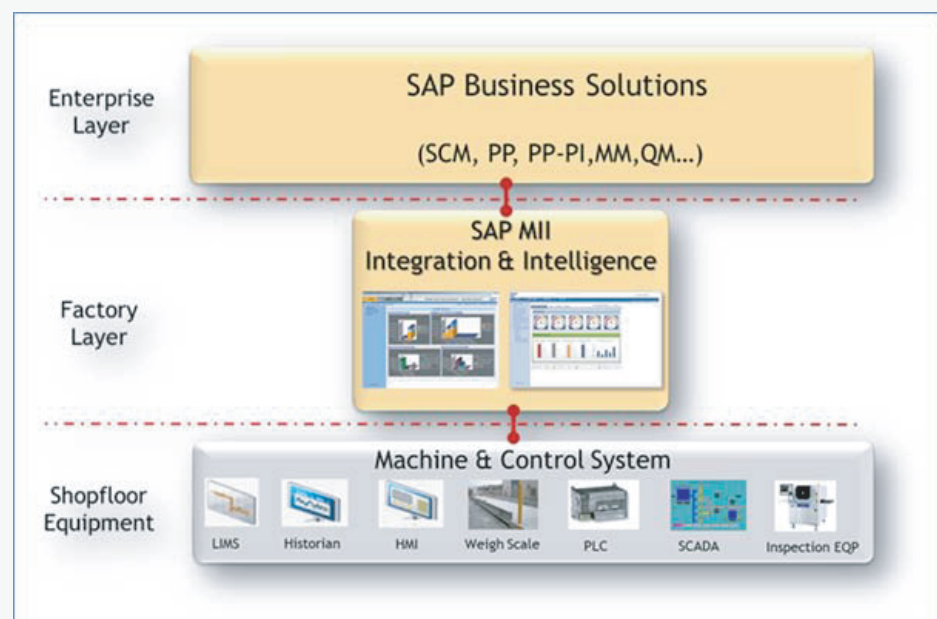
Challenges

- ☑ 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



LTIMindtree Solution

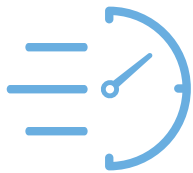
- ☑ Completely integrated near real-time manufacturing solution by bringing together SAP MII, SAP PM, SAP EWM, SAP QM, shop floor DCS (Yokogawa and Rockwell), PCN, real-time equipment monitoring, OEE, sales planning, mobility, analytics, and KPI dashboards
- ☑ SAP MII used as a data hub to collect data 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

- 1** Completely integrated near real-time manufacturing solution with real-time, role-based dashboards with data visualization and clearly defined metrics and KPIs.
- 2** Seamless and paperless production, inventory management, and distribution for lubricants and chemicals.
- 3** 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.

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