

CASE STUDY

Reimagined Supply Chain on JD Edwards with SaaS-Integration for Leading Refining and Distribution Company

Client

Our client is a global market leader in NSP (Naphthenic Specialty Products) and bitumen products, based out of Sweden. The organization has multiple refining facilities in Europe and central distribution and blending stations in the US, Europe, and APAC region with multiple depots. They also operate with third-party facilities for refining, storage, and distribution.



Challenges



High Supply Chain cycle time.



Non-synchronized master data.



High Order to Cash time.



High lead time to onboard a new installation.



Incorrect demand forecast.



Cumbersome order tracking and reconciliations.



Manual and error-prone inter-depot transactions.



Loss of historical and sensitive data.



Manual reconciliation of customer statements



Unavailability of product catalogue, availability, prices, and discounts.

LTIMindtree Solution

LTIMindtree suggested a three-phased approach to address these challenges. It was implemented on parallel tracks:

Reimagine Supply-Chain through a re-designed and integrated system on cloud that connects across all facilities, storage points, and related stakeholders to provide a single point of interaction and information. The system was designed on OCI using SOA Cloud Services and Oracle DB Cloud along with Oracle JD Edwards.

Transform Customer Experience through a curated set of related applications. Apart from order placement and information on product catalog, availability, pricing, transaction details, and discounts, the portal facilitates direct interaction, query, and dispute resolution. The system was designed on OCI with JD Edwards, Oracle Kubernetes Cluster, and Angular Nodes.

Ensure Business Continuity through an independent recovery and storage framework that will not only support and protect current business data but will stand by for anytime recovery. This was designed on OCI to accommodate data from JD Edwards and other connected systems with Robocopy and database sync "always-on."

Business Benefits



> **100% faster** time-to-market with accelerated onboarding of third-party facilities, visibility of global inventory for supply and logistics planning, automated reconciliations, and interactive settlements over the integrated platform.



Reduction of IT costs by **40%** with complete elimination of distributed data processing issues, reduced monitoring & maintenance, reduction in issues relating to Masters, ready capacity for additional processing, and homogenous reports and MIS.



Reduction in working capital requirement with a faster supply chain cycle, optimized inventory holding, and an accelerated Order to Cash cycle.



Zero risk to business from loss of data with 100% real-time back up of data from remote third-party installations along with an agile DR system.



Availability of highly flexible IT landscape on cloud with ready APIs for plug and play of third-party applications and systems.



Cost savings of > **24%** on data maintenance through reduction in operational systems and database, migration to cloud, and DR setup.



Improved CSI with empowerment of customers, ready and transparent information system, and interactive addressal of requests.

This case study was published by erstwhile LTI before the merger of Mindtree and LTI into LTIMindtree.

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