



Let's Solve

Case Study

Enterprise Modernization with API
and Microservices-Based Integration
for Multinational Conglomerate



A Larsen & Toubro
Group Company

Client

Multinational conglomerate that produces automotive parts such as batteries, and electronics and HVAC equipment for buildings.

Challenges

The client was riddled with multiple integration challenges due to a complex architecture caused by disparate ERP systems (SAP, JDE, BaaN) and third-party suppliers. This escalated the total cost of operations, and led to process inefficiencies across the supply chain.

LTI Solution

- APIGEE-based API Management layer to expose each service as an API, to replace point-to-point integrations and enhance collaboration across third-party suppliers and multiple ERP systems.
- Deployed a microservice-based architecture on Docker to retrieve business information from the database.
- Setup a Digital Integration Competency Center (DICC) to standardize integrations.
- Evaluated maturity of the integration platform, with continuous tracking and reporting.
- Developed a canonical model standardized communication protocol to ease complex integrations from ERPs, third-party systems and other procurement systems.

Business Benefits Delivered

- **Zero** supplier integration cost with API-based architecture.
- **25%** faster onboarding of new procurement systems with API-based connectivity.
- **60%** reduction in time-to-market, with automated handling of warehouse operations.

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