



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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