



Let's Solve

Case Study

Delivering API-led Architecture Transformation Across Multiple ERPs, for Global Energy Storage Solution Provider



Business Challenge

With a strong vision of becoming the market leader, the client wanted to use “separation from parent unit” as an opportunity for digital transformation by adopting to API-led service-based architecture. Key challenges were:

Multiple ERPs used in different regions

More than 300 interfaces for 45 common business functions existed and integrated using point to point

Not able to consolidate or reuse existing services

The client was looking for a solution and platform that helps in service consolidation, increase in service reusability services and has flexible to support legacy applications until phased out.



What LTI did

LTI developed a strategic transformation plan and defined measurable milestones after analyzing their current setup by using LTI's assets & tools (SIA Platform). After conducting extensive product and solution comparison and suggesting the right fit solution, LTI carried out the transformation in multiple phases below:



Rationalization

Analysis of all services and integration points by domain SMEs



Consolidation

Defining Common Business Object (CBO) and creation of canonical model



APIfication

Development of service end point with API



Adoption

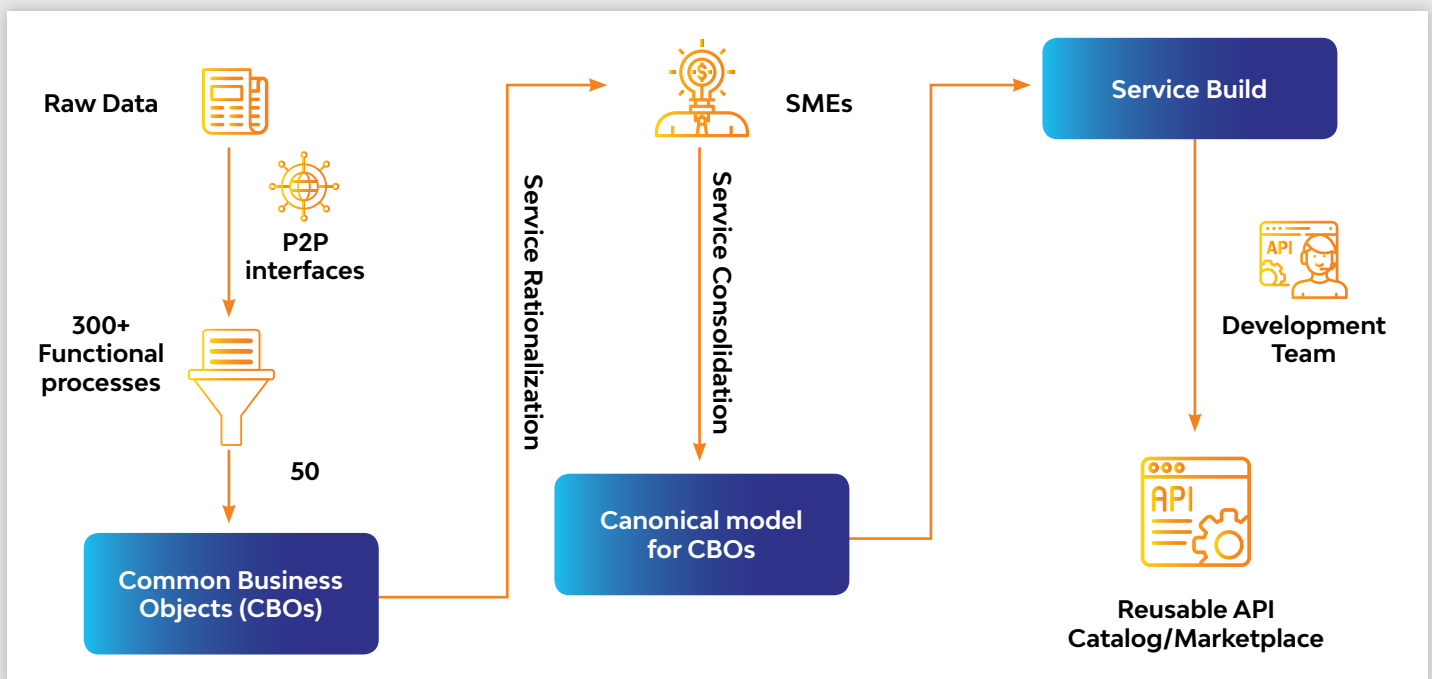
Integration/ Subscription model for API consumers

An evolutionary hybrid model approach for digital transformation was implemented to support integration for both legacy and API compliant applications.

Business Benefits

- ✓ 50% faster development with flexible development strategy
- ✓ 40% improved time-to-market by CI/CD implementation
- ✓ 100% compatibility with old and new due to Hybrid Model
- ✓ Self-service based new integration for API compliant application
- ✓ 30% reduction in technical debt and maintenance cost by replacing 6+ Integration products with MuleSoft
- ✓ Self-service using API Catalogue with RAML documentation to define services and solutions (45 Common Business Objects, specific to MFG industry, were defined)

Functional Process Consolidation Flow





Key Takeaways

- ✓ Digital transformation of the core – consolidation of 300+ interfaces into 50+ APIs, leading to agility and faster time-to-market
- ✓ Reduced technical debt and maintenance by replacement of 6+ Integration products with a single tool/solution
- ✓ Significant reduction in operational cost by replacement of 6+ tools with one single tool/solution
- ✓ Accelerate self-service and decentralization for faster decision making and quick turnaround
- ✓ Faster, more efficient, cloud-based and affordable integration options with legacy and modern applications

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