LTIMindtree

S/4HANA Global Template Build and Rollouts for a Major Semiconductor Manufacturer

Client

The client is a world-class leader in semiconductor manufacturing, offering a wide range of semiconductor solutions, microcontrollers, LED drivers, sensors, and Automotive & Power Management ICs.
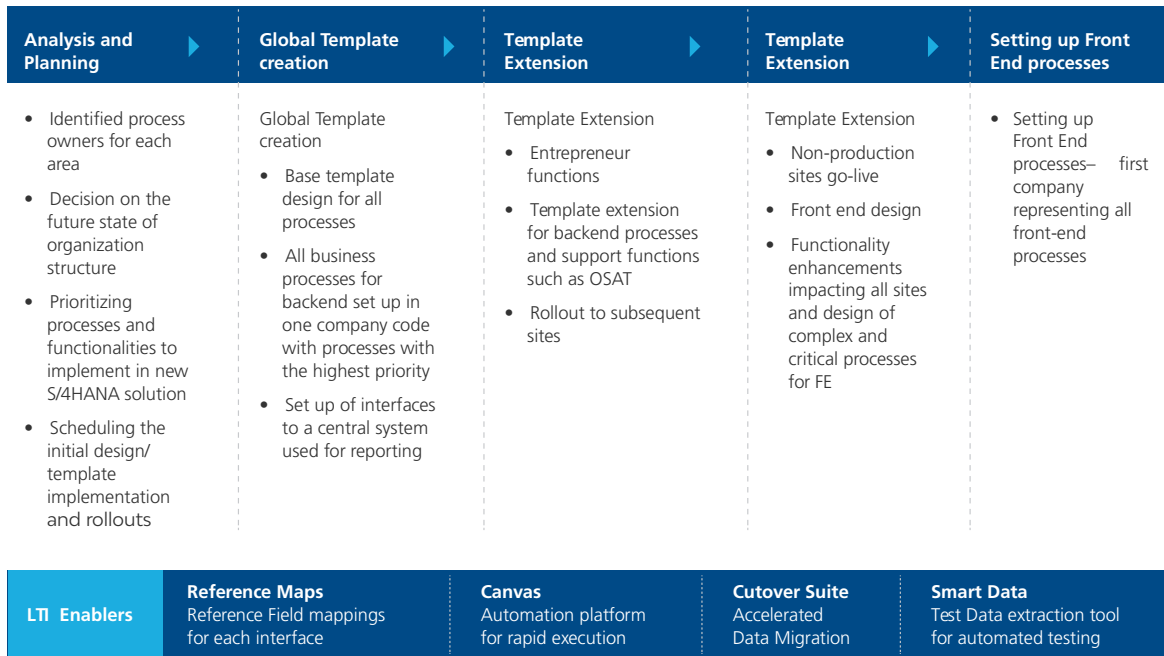
What we Solved for

LTIMindtree has engaged with the semiconductor major for the past 12+ years as a SAP transformation partner. The client wanted to embrace digital transformation leveraging S/4HANA greenfield implementation across 50+ sites, 4 SAP instances, 100+ company codes, and 4000+ suppliers. Key objectives of this initiative were:

- Ability to adopt new business models due to highly customized processes
- Manufacturing visibility with third party outsourced assembly and testing
- Standardized processes across all entities
- Higher visibility and group level control
- Improved profitability through uniform costing model

Our Solution

The client landscape had multiple ERPs for different regions and processes such as entrepreneur, distribution center, front-end process & back-end process, subcontracting, etc. After initial analysis, LTIMindtree experts and client SMEs created a single harmonized template with an incremental build approach. We also proposed creating a futuristic new system design to enable the use of new-age functionalities without disruption, such as Group consolidation, integrated planning, analytics, etc. The solution included the following core value streams: Forecast to fulfill, Source to Pay, Order to Cash, and Record to Report. The diagram below depicts our incremental template build approach:

Post pilot deployments, LTIMindtree made template extensions to incorporate pilot learnings, Solution re-look & review, thereby ensuring a robust Solution Design for Rollouts. After every major rollout, our plan included a template extension phase to ensure continuous template enrichment.

Analysis and Planning ▶	Global Template creation ▶	Template Extension ▶	Template Extension ▶	Setting up Front End processes
• Identified process owners for each area • Decision on the future state of organization structure • Prioritizing processes and functionalities to implement in new S/4HANA solution • Scheduling the initial design/ template implementation and rollouts	Global Template creation • Base template design for all processes • All business processes for backend set up in one company code with processes with the highest priority • Set up of interfaces to a central system used for reporting	Template Extension • Entrepreneur functions • Template extension for backend processes and support functions such as OSAT • Rollout to subsequent sites	Template Extension • Non-production sites go-live • Front end design • Functionality enhancements impacting all sites and design of complex and critical processes for FE	• Setting up Front End processes– first company representing all front-end processes

LTI Enablers	Reference Maps Reference Field mappings for each interface	Canvas Automation platform for rapid execution	Cutover Suite Accelerated Data Migration	Smart Data Test Data extraction tool for automated testing

Value Delivered

20% reduction in efforts for Supply Chain Evaluation and Planningevaluation

15% improvement in standardization of source to pay processes globally

Accelerated but client-specific solution deployment with our pre-configured industry solutions like Photo masking, long Term Planning, EPIWafer

LTIMindtree is a global technology consulting and digital solutions company that enables enterprises across industries to reimagine business models, accelerate innovation, and maximize growth by harnessing digital technologies. As a digital transformation partner to more than 750 clients, LTIMindtree brings extensive domain and technology expertise to help drive superior competitive differentiation, customer experiences, and business outcomes in a converging world. Powered by nearly 90,000 talented and entrepreneurial professionals across more than 30 countries, LTIMindtree — a Larsen & Toubro Group company — combines the industry-acclaimed strengths of erstwhile Larsen and Toubro Infotech and Mindtree in solving the most complex business challenges and delivering transformation at scale. For more information, please visit **www.ltimindtree.com.**