

Case Study

# Fueling Quality Master Data in Heterogeneous & Hybrid Solution Landscape

to Transform a US-Based  
Semiconductor Manufacturer



## Client

Our client is a North Carolina, US-based global silicon carbide technology and production leader.



## Challenges



**Data cleansing and enrichment** in line with the new material coding solution and harmonization with the existing solution



**Managing the status** of prospective suppliers and customers



**Extending the role** as a supplier and shipping to their party managing number ranges



**Missing multiple** attributes in SAP standard Service Oriented Architecture (SOA) messages forced to shift to SAP ALE-IDOCS



**Meta-data synchronization** after go-live with a custom solution approach



## LTIMindtree Solution

- LTIMindtree analyzed and strategized the Master Data Governance (MDG) policy to ensure quality master data for all planned digital transformations.
- Implemented cloud-based SAP MDG hub on S/4HANA for all key enterprise master data objects (material, business partner, and finance).
- Connected SAP MDG hub to on-premise and on-cloud SAP and non-SAP applications. Cloud Integration Gateway (CIG) and Cloud Platform Integration (CPI) integrated with cloud applications (SAP ARIBA and SAP Salesforce).
- Implemented the following Master Data Management (MDM) business processes to fulfill the business requirements:
  - Central MDG
  - Master data consolidation
  - Data quality management
  - Mass record processing
  - MDG analytics

## Business Benefits

**100%**

**business rule-based validation** for critical attributes of master data to ensure data integrity

**80%**

**improvement** in SLA by collaborating and orchestrating business users with an escalation mechanism

**85%**

**increase** in the quality of spend analytics and corporate reporting by consolidating master data

**100%**

**automation** of integration with SAP Software-as-a-Service (SaaS) applications and non-SAP legacy analytics application with an intelligent platform

**95%**

**improvement in user experience** through mass changes and record processing functionality

### About LTIMindtree

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 700 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 82,000+ 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 <https://www.ltimindtree.com/>.