



Case Study

**Global Specialist in Energy
Management & Automation builds Data
Marketplace** with LTI's Mosaic Catalog

Business benefits at a glance

80%

Increased accuracy in identifying related/ duplicate information assets



Completed deployment in just **four weeks**

100+

information assets **scanned & curated** to the marketplace



Centralized business glossary **available to everyone**

- ✓ **Enabled** impact analysis from change management point of view
- ✓ First time scanned metadata from BI Tools like **PowerBI & Cognos, and Azure S3**
- ✓ First time enabled **federated querying of datasets** across disparate sources

A French global enterprise specializing in Energy Management & Automation was facing issues with its comprehensive IT landscape. The companies it acquired, largely operated in a federated model, had resulted in a proliferation of IT systems. There were about 4,000 application systems, and 60 different implementations of ERPs. These systems were functioning in silos, resulting severe redundancies. As a result, insight-based decision-making was challenging.

The CIO was looking for a solution – a “data marketplace” that could:

- ✓ Bring autonomy of data access to its global information seekers
- ✓ Ensure foundational information security, privacy and governance
- ✓ Provide data-as-a-service capabilities to ingest and consume data on-demand
- ✓ Enable integrating data from any data source – Enterprise, Structured, Unstructured, Social Media, IoT and from its partner ecosystem
- ✓ Build new services on top of the data platform to support and accelerate innovation
- ✓ Promote a culture of data-driven decision-making

LTI stepped in with its Mosaic platform and own IP, to deliver the promise of creating a data marketplace in line with the CIO’s vision. LTI’s Mosaic Catalog and Mosaic Decisions were deployed over an AWS Cloud instance to create an “Intelligent Data Store” as a foundation for the proposed data marketplace. Mosaic Catalog was implemented to offer the following solutions while ensuring consistency in user experience for all business users across the globe:



Centralized Business Glossary – created and managed a business definition glossary, which in turn enabled indexing/ tagging data as per business definitions



Data Profiling – to understand data definitions, attributes, content summary, structure, data lineage, relationships, dependencies, issues, inconsistency and anomalies



Discovery & Searchability of data – enabled semantic and faceted search with lightning fast results covering all kinds of information assets scanned from metadata across various on-premise source systems, on-cloud data lakes including database, files, documents, APIs, BI tools, etc.



Collaborative Curation – crowd-sourced annotations, tags and ratings, feedback/review, SME discussion board to increase knowledge and insights on every information asset.



Data Virtualization – integrated with Opensource Presto to offer self-service federated queries joining datasets from disparate sources, without moving the data, that too without the help of IT engineers



Data Governance – persona-based access with proper authentication, privileges and access control; data access workflow implemented with three level approval mechanism, to ensuring proper data use/access



Augmented features – all the above functionalities are augmented with ML/ AI algorithms for “Auto-Tagging”, “Auto-Relationship Discovery”, “Auto-Personally Identifiable Information (PII) field identification” and “Auto-Sync” capabilities.

Stepping towards becoming a breakaway enterprise, the client successfully ensured superior user support and experience.

Visit us at <https://www.lti-mosaic.com/index.html> to know more about our Mosaic product suite.

LTI (NSE: LTI, BSE: 540005) is a global technology consulting and digital solutions Company helping more than 360 clients succeed in a converging world. With operations in 30 countries, we go the extra mile for our clients and accelerate their digital transformation with LTI's Mosaic platform enabling their mobile, social, analytics, IoT and cloud journeys. Founded in 1997 as a subsidiary of Larsen & Toubro Limited, our unique heritage gives us unrivaled real-world expertise to solve the most complex challenges of enterprises across all industries. Each day, our team of more than 30,000 LTIites enable our clients to improve the effectiveness of their business and technology operations, and deliver value to their customers, employees and shareholders. Find more at www.Lntinfotech.com or follow us at [@LTI_Global](https://twitter.com/LTI_Global)

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