

# Data Lake Creation for a Power Generation Company





## About the Customer

Our client is a Fortune 500 MNC, specializing in power generation and heavy electrical equipment manufacturing. The organization's product lineup includes high-voltage products, power converters/inverters, power transmission products, and control room products.



## Business Pain Points

The customer had multiple business units, each of which was operating in a silo as a separate entity, leading to the following challenges:

1

Poor monetization of data assets.

2

Delay in exchange of business intelligence between units caused by fragmented data.

3

Reduced potential to generate business value due to data fragmentation.

4

Duplication of data assets with varying data quality and inconsistency in data.

5

Data infrastructure utilization issues due to absence of centralized data management platform.





## The HCL Approach

Our team took the following approaches to resolve the customer's problems:

1

Enabled the customer to set up a cloud-based data lake which unified data collection, management, and consumption across business units.

2

Addressed high-velocity IoT data ingestion needs.

3

Ensured that high-quality data was made available to the client, per business needs, with the deployment of the data lake.

4

Enabled data security and role-based access control for data infrastructures in each business unit.

5

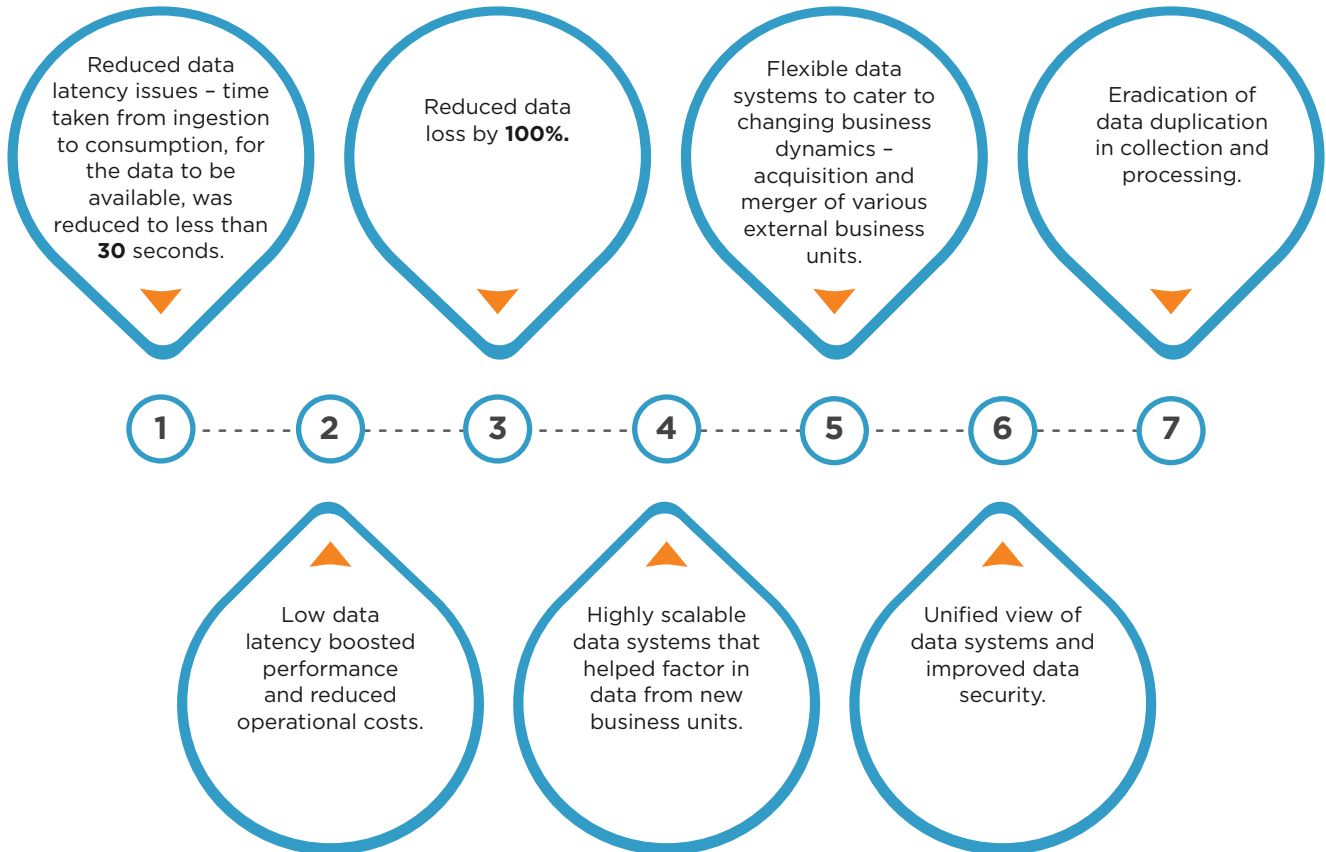
Ensured scalability through data lake and performance testing to cater to thousands of devices at a speed of 50K data writes/second.





## Business Benefits

With HCL's robust solution, the customer realized the following benefits:



CI-103219322735750597-EN00GL



[www.hcltech.com](http://www.hcltech.com)

Hello there! I am an Ideapreneur. I believe that sustainable business outcomes are driven by relationships nurtured through values like trust, transparency and flexibility. I respect the contract, but believe in going beyond through collaboration, applied innovation and new generation partnership models that put your interest above everything else. Right now 137,000+ Ideapreneurs are in a Relationship Beyond the Contract™ with 500 customers in 44 countries.

How can I help you?

**HCL**

[Contact-BDA@hcl.com](mailto:Contact-BDA@hcl.com)