

Case Study

Snowflake (On Azure) Migration for Contractor Data Management system



Client

Our client is a US-based multinational oil and gas corporation.

Business Challenges

The client wanted to:

- ▶ Create comprehensive reporting for all non-process-related transactional manufacturing data that does not exist today.
- ▶ Leverage a data repository to serve as a one-stop-shop for analytics and reporting.
- ▶ Centralize global reporting for all sites, instead of maintaining reporting for each site.
- ▶ A modular and scalable data mode to minimize the cost of ownership and reduce IT spend on data consolidation.

LTIMindtree Solution

- ▶ Created a data model in-lined with the client's strategic roadmap for Azure cloud migration.
- ▶ Created a data model that can accommodate future integration of SAP data in CDMS reporting.
- ▶ Created a new UI to easily conduct health checks across all sites.
- ▶ Cost savings due to change in design approach from on-prem SQL Server to snowflake – \$45Mn/year starting from 2023.
- ▶ Created automation script for building wrapper view on top of the raw layer which reduces manual efforts.

Business Benefits

55% reduction in efforts for data consolidation which is done currently by swapping tools.

95% reduction in efforts by an automated creation of wrapper views.

Created an Azure cloud data repository as a one-stop-shop for analytics and reporting of non-process related manufacturing work.

Eliminated the need of swapping between tools to run queries. – SQL-Server, MS Access, Tableau.

Eliminated constraints around the processing of large volume data for doing system and health checks.

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