

Customer Background

Oil & Gas Company with history dating 1920 and establishments and production since 1980. Being one of the emerging Oil& Gas company and continuous huge investments in research, exploration, refineries and other expansions, the customer felt the need of Operational reports and Business Intelligence. With this intent the customer initiated the Business Intelligence implementation and the search for an ideal implementation partner ended with IntelliCompute.

Technology Used

Snowflake | AWS Platform | SAP Business Objects BI | SAP Data Services

Requirement

Strategy and Architecture Advisory, Upgrade and End to end implementation of Data Warehouse and Business Intelligence

Business Challenge

- In spite of most of the data available in different systems, the time taken for the data turned to information and insights is very high sometimes in months.
- Not able to get a single view of all the required KPI's of CXO's and other key decision makers
- Decisions taken out of gut feeling rather than backed up by information.
- Not able to define, track and achieve KPI's and other key metrics.

IT Challenge

- Lot of code is written in free hand SQL on traditional transactional databases and resulted in congestion of hardware resources
- Lack of proper data architecture and required technology/tools resulted in non-performance and slower delivery
- Heavy usage of human resources for monitoring of data loads and report delivery
- Loading issues and Data Integration issues with data coming from SAP, legacy and other applications.

Solution

- IntelliCompute actively conducted workshops with key stakeholders and defined the roadmap, strategy and architecture for the current and future data engineering and analytical needs.
- Built a quickly scalable and high performance Datawarehouse on Snowflake Cloud Datawarehouse platform
- Designed and implemented data models for both operational reporting and self service
- Migrated the unmanageable free hand SQL's to automated and easily manageable data load jobs using SAP Data Services
- Employed SAP Business Objects as organisation wide operational reporting platform and SAP Analytics Cloud and Power BI as self service tools.

Benefits

- The speed of delivery of information and the trust on data has significantly improved
- Data from various applications, functions, processes etc is now available within a single view
- Enabled end users with Self-Service with proper data governance which is power to Analysts supporting key decision makers.
- Modern architecture with hybrid mix of both on premise and cloud applications to support ever growing data and analytical needs.