



Minimized risk and maximized productivity

For a global manufacturer

Client description

Our client is a family-owned steel and iron production and manufacturing company. Founded in the 1930s, today this company is one of the most in-demand manufacturers globally.

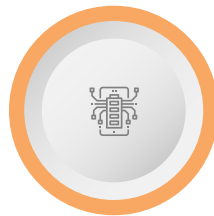
Business challenges and objectives



Move toward modern data warehouse stack to take advantage of industry 4.0 and smart manufacturing



Cloud adoption for analytics services and near real-time reports with actionable metrics



Batch data ingestion was posing several challenges and was becoming costly



No existence of self-service analytics and data exploration

Our solution

To enable our client overcome all challenges and enhance productivity, we did the following:



Migrated the legacy data from Teradata and Postgres database to AWS S3 and Snowflake

Built raw (bronze) and refined (gold) layer in Snowflake



Ingested data to raw layer from operational sources in accordance with defined requirements

Refined, transformed, and loaded data to gold (refined) and platinum layer data store from raw layer to enable reporting



Used SOA APIs to place files in Amazon S3 for near real time data ingestion

Used event notification to notify Snowflake Snowpipe about new data availability to load it into Snowflake tables



Built reports and dashboards reports using data from Snowflake data store

Business impact

HCL's advanced data and analytics capabilities and cloud migration strategies helped the client in the following ways:



Scalable platform addressing current and future need



Minimized the risk using phased migration approach



60% reduction in query response time

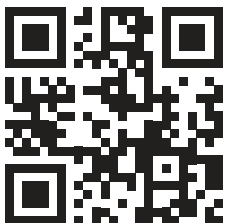


Zero, maintenance cost



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