



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

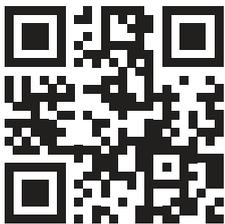


Zero, maintenance cost



HCL Technologies (HCL) empowers global enterprises with technology for the next decade today. HCL's Mode 1-2-3 strategy, through its deep-domain industry expertise, customer-centricity and entrepreneurial culture of ideapreneurship™ enables businesses to transform into next-gen enterprises.

HCL offers its services and products through three lines of business - IT and Business Services (ITBS), Engineering and R&D Services (ERS), and Products & Platforms (P&P). ITBS enables global enterprises to transform their businesses through offerings in areas of Applications, Infrastructure, Digital Process Operations, and next generation digital transformation solutions. ERS offers engineering services and solutions in all aspects of product development and platform engineering while under P&P. HCL provides modernized software products to global clients for their technology and industry specific requirements. Through its cutting-edge co-innovation labs, global delivery capabilities, and broad global network, HCL delivers holistic services in various industry verticals, categorized under Financial Services, Manufacturing, Technology & Services, Telecom & Media, Retail & CPG, Life Sciences, and Healthcare and Public Services.



As a leading global technology company, HCL takes pride in its diversity, social responsibility, sustainability, and education initiatives. As of 12 months ending on March 31, 2022, HCL has a consolidated revenue of US \$11.48 billion and its 209,000 ideapreneurs operate out of 52 countries. For more information, visit www.hcltech.com