CASE STUDY
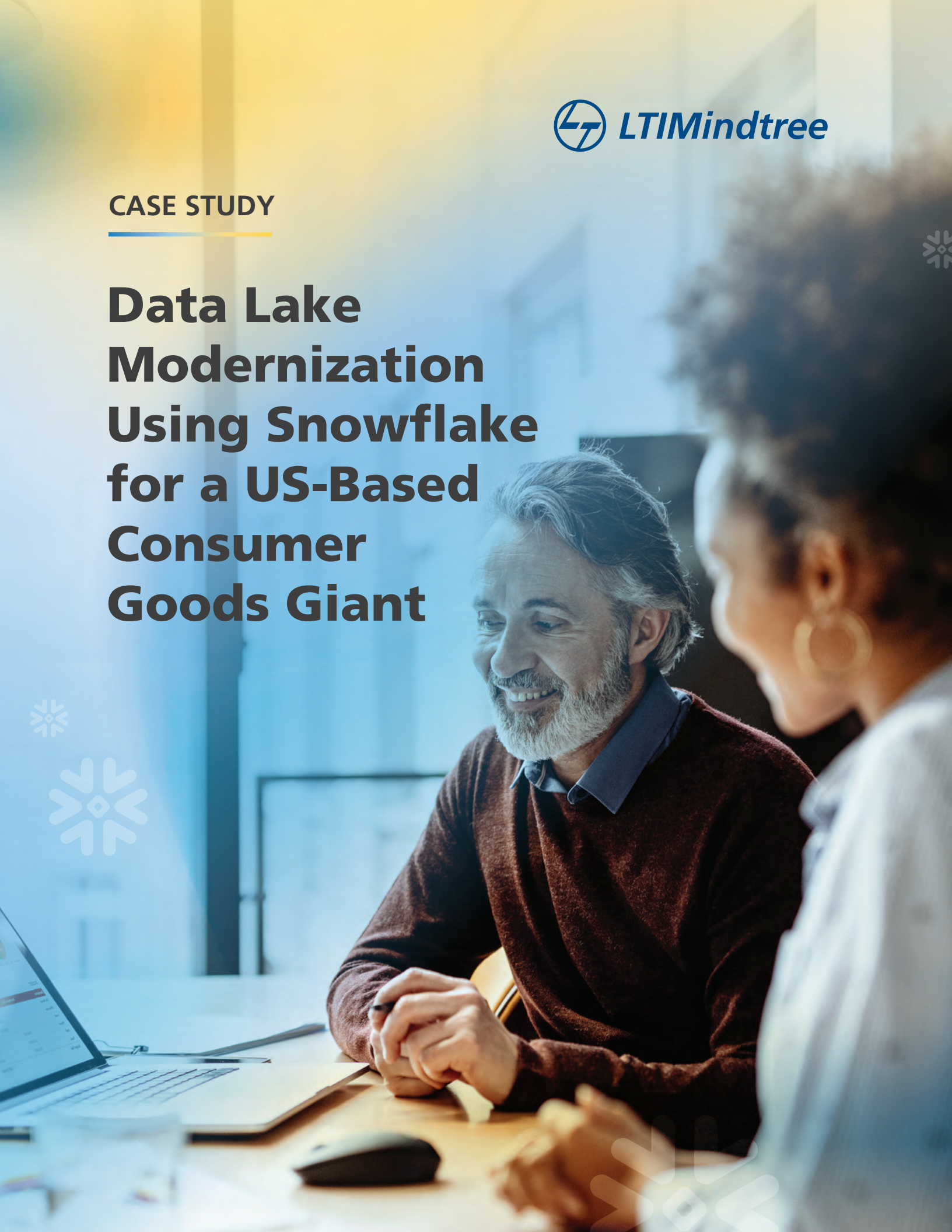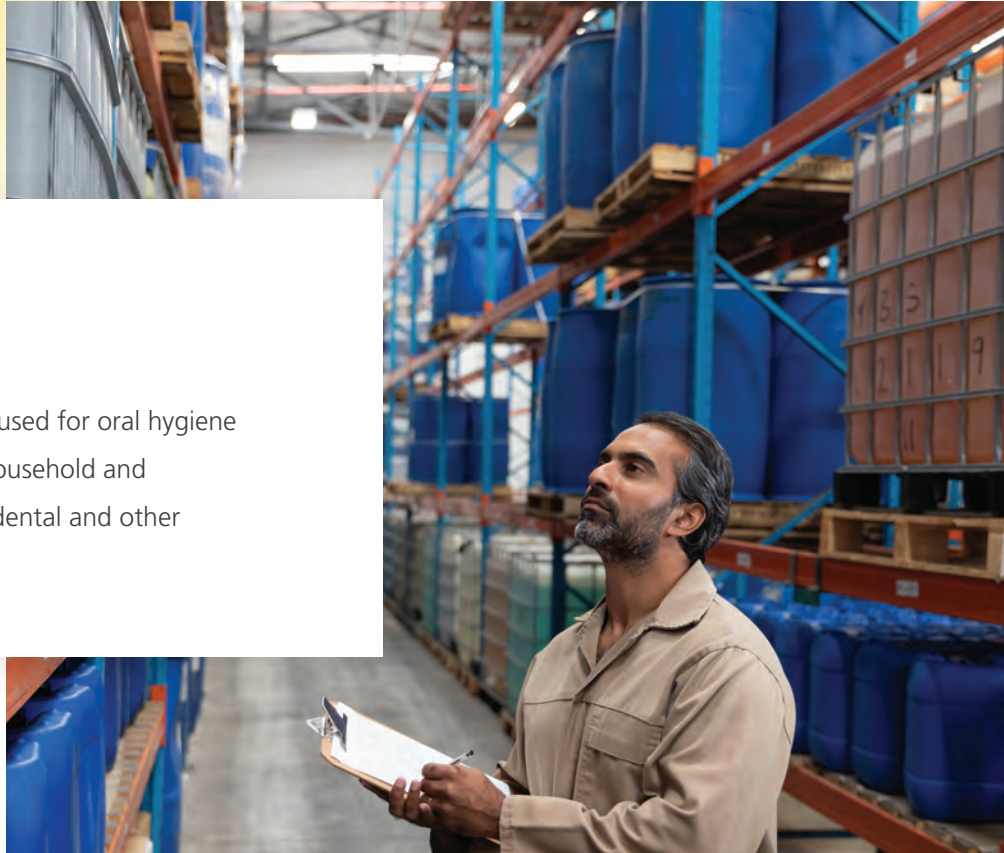
Data Lake Modernization Using Snowflake for a US-Based Consumer Goods Giant

Client

The customer is an American brand used for oral hygiene that manufactures and distributes household and commercial cleaning products, and dental and other personal-care products.

Challenges

Build a supply chain use case in Snowflake

Setup a near real-time data replication between Snowflake and multi-regional SAP systems

Shift the BW consumer workload to snowflake for supply chain analytics

Build monthly/daily snapshot collection tables in Snowflake for trend reporting

LTIMindtree Solution

- Initiated **the migration project** for the supply chain KPIs that include inventory management, demand management, and customer service

- **Re-engineered** the existing SAP Business Warehouse (BW) extractors, BW transformation rules, routines, and Business Explorer (Bex) queries by adopting an accelerated migration to Snowflake using **PolarSled**

- Setup **near real-time replication** of SAP ERP Central Component (ECC) data using High Volume Replicator **(HVR)**

- Re-designed the overall data model, staging, and DSO layer having views in Snowflake

Business Benefits

100% data matched between SAP BW and Snowflake

16 weeks end-to-end implementation of supply chain use case with near-real-time replication in Snowflake

50% automation achieved in object analysis from SAP BW using **PolarSled**