Manufacturing and Packaging Provider Modernizes Its Data Platform with a Centralized Cloud Warehouse and Automated Pipelines.

continuserve

THE CHALLENGE

- **Scattered Source Data:** Business data spread across multiple source applications with no centralized repository.
- **Manual Integration:** Reporting, dashboard creation, and insight generation constrained by hand-built processes
- **Platform Due for Modernization:** Seamless integration from source systems to a data warehouse was needed to support growth
- **No Access Segregation:** Data lacked business-function-specific segregation or user-level access control

OUR SOLUTION



Cloud Data Warehouse

ContinuServe designed a data warehousing solution with ETL processes built on AWS and Python using the Airflow tool hosted in EC2, storing business data in a centralized Redshift repository with infrastructure and data managed on an ongoing basis.



Common Data Model

An incremental common data model was developed across business functions covering Sales & Orders, Inventory, Manufacturing, and Finance.



Data Marts & Ongoing Support

Data marts were implemented for processed data, enabling efficient querying, reporting, dashboard creation, and insight generation with business-function segregation and user-level access, alongside Airflow ETL and ongoing support for two business source applications.

IMPACT

01 | **Data Centralized:** A single Redshift repository replaces scattered source systems as the reporting foundation.

02 | **Platform Modernized:** Cloud-native ETL on AWS and Airflow enables seamless integration from source systems into the warehouse.

03 | **Access Governed:** Function-specific data marts with user-level access support efficient querying, reporting, and insight generation.