

## Success Story

# Breathing **Data-Driven Insights** into the Asset Management Process



## Introduction

A large US Enterprise struggled with their legacy on-premises data warehouse and analytical system. They approached Exavalu to modernize their data platform for seamless asset management.

## Challenges

- The organization held a legacy on-premises data warehouse and analytical system on Teradata and Oracle.
- Their data architecture required high maintenance costs and was unscalable during high demands.
- Their system frequently showed high latency in data flows.

## How Exavalu Made an Impact

- Performed current state assessment and identified the underlying objects and dataflow business logic.
- Designed solutions using Redshift, CData, Glue, Pyspark, Lambda in an AWS environment.
- Created data lake in S3 to load asset management data from multiple sources.
- Developed ODS data layer in Postgres for operational reporting.
- Built data warehouse in Redshift for BI and Analytics.
- Used CData to sync tables between Teradata and Redshift during implementation.

## Tech Stack

Redshift, CData, Glue, PySpark

## Benefits

- Reduced maintenance costs significantly.
- Integrated their data infrastructure with various analytics tools seamlessly.
- Improved decision-making using near-real-time data ingestion and reporting capabilities.

## Key Highlights

**7+**

Subject Areas (Community Engagement Campaigns, Management, Appointments, Donations, Manufacturing, Order, Shipment)

**500+**

Redshift Tables

**200+**

ETL Routines

