

LEADING ELECTRONICS MANUFACTURER ENVISIONS NEXT GENERATION DATA AND ANALYTICS PLATFORM

ENABLES FASTER REPORTING WITH THE ABILITY TO DEPLOY ADVANCED MACHINE LEARNING ALGORITHMS

CUSTOMER PROFILE

HQ

Houston, TX

INDUSTRY

Electronics Manufacturing

EMPLOYEES

116,000

ITC SERVICES

- Data Analytics

APPLICATIONS & TECHNOLOGIES

- Microsoft Fabric
- Power BI

INTRODUCTION

The client is a global leader in electronics manufacturing, specializing in home appliances, and offers a variety of products including refrigerators, TVs, washing machines, and more. It is one of the biggest manufacturers of personal computers, consumer electronics, home appliances, and medical equipment.

CHALLENGES

The client lacked an Enterprise Data Warehouse (EDW) for reporting, and their current Oracle ERP systems, such as Financials, Order Management, Logistics, and Manufacturing, were not integrated. Additionally, they did not have a strong data governance capability to create a single version of truth across the organization. There was also minimal visibility into data lineage from source to target.

SOLUTION

IT Convergence collaborated with the client's team to create a unified data lake using Microsoft Fabric and Power BI. We developed custom Power BI dashboards for C-level executives, Sales, and Operations. These dashboards provided better visibility into sales, operations, and inventory data, helping the client overcome the EDW reporting challenges.

RESULTS

- Faster access to Oracle ERP and other application data in Microsoft Fabric's data lake
- Improved reporting performance in Power BI
- Enhanced ability to deploy advanced machine learning algorithms using Microsoft Fabric, positioning the client as a leader in Machine Learning (ML) and Data Science
- Advanced analytics, data visualization, and mobile BI capabilities
- Implemented data lineage in Microsoft Fabric

ITC ADVANTAGE

- Expertise in data governance ensures that your data is accurate, secure, and compliant, providing a single version of the truth across your enterprise
- Seamless integration of Microsoft Fabric with your existing ecosystem, ensuring all your data, applications, and analytics tools work together effortlessly