

# GLOBAL LEADER IN AGRICULTURAL MANUFACTURING MIGRATES TO MICROSOFT FABRIC

IMPROVES OPERATIONAL EFFICIENCY AND DATA GOVERNANCE WITH A MODERN, SCALABLE DATA PLATFORM

## CUSTOMER PROFILE

### HQ

Grapevine, TX

### INDUSTRY

Agricultural Machinery

### EMPLOYEES

38,000

### ITC SERVICES

- Data Analytics

### APPLICATIONS & TECHNOLOGIES

- Microsoft Fabric
- Power BI

## INTRODUCTION

The client is a global leader in agricultural manufacturing, providing solutions for the food, water, and environmental sectors. Their diverse products and advanced technologies are integral to human life and support the foundations of society and industry. Their mission is to promote a sustainable future by ensuring the efficient use of nature's resources, shaping a sustainable future through innovation.

## CHALLENGES

The client was facing difficulties in enhancing operational efficiency, developing a scalable and modern data platform, and implementing robust data governance. They also needed support for their current reporting capabilities, preparation for future needs like machine learning, and searchable catalogs for datasets. Additionally, they aimed to ensure data quality, create a unified platform for integrations, maintain and enhance data platforms, and foster a data-centric culture within their business.

## SOLUTION

IT Convergence recommended Microsoft Fabric as a comprehensive solution to leverage the Microsoft Azure cloud ecosystem. It provided a unified platform for integration, transformation, storage, and reporting. With built-in workflow, lineage, and governance features, including Microsoft Purview, Fabric addressed various operational challenges. The solution employs Data Factory, including Pipelines and GenFlow Gen2, to mitigate data load issues. Built on Power BI and OneLake, Fabric enhances the client's existing reporting and self-service capabilities. Furthermore, it comes equipped with a Data Science experience, catering to the organization's future data science needs. In essence, Microsoft Fabric is a robust, future-ready platform designed to streamline and enhance cloud-based operations.

## RESULTS

- An effective data lakehouse strategy, given the diversity in data formats
- Power BI premium capacity P1 users can utilize F64 SKU capacity at no extra cost
- Adopting a data lakehouse framework enables a Medallion Architecture, facilitating raw data storage in its original format
- Fabric effectively addresses the need for real-time data consumption through its real-time analytics experience and the revamped KQL engine

## 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
- A future-proof data architecture that scales with your growing data needs, incorporating advanced data warehousing practices