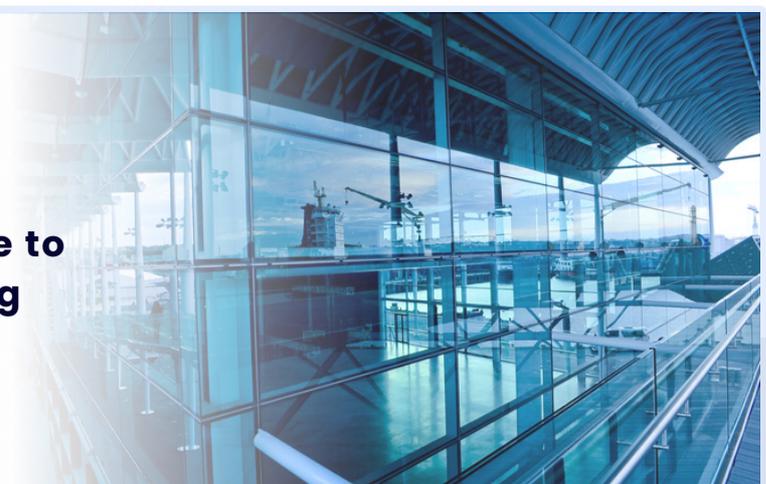


Leveraging Microsoft Azure to Transform a Manufacturing Giant



ABOUT CLIENT

A well-established manufacturing company with expertise in producing a wide range of industrial products, headquartered in Houston, Texas, USA, with a global presence, operating in multiple countries to serve their diverse customer base

PROBLEM STATEMENT

Our client predominantly relied on on-premises IT infrastructure, with limited prior engagement with cloud technology, hence faced these challenges:

Lack of stability

- The client faced scalability challenges in their manufacturing operations due to rigid on-premises infrastructure
- Growing demand for their products strained their existing resources, leading to frequent operational bottlenecks

Inefficient Data Management

- Our client struggled with the increasing volume and complexity of data generated by multiple manufacturing operations/processes
- Traditional data management systems proved inadequate for storing, processing, and analyzing this influx of data, hampering informed decision-making

Lack of Agility

- The client's existing on-premises infrastructure constrained their ability to swiftly adapt to shifting market conditions.
- Lengthy development and deployment cycles hindered their responsiveness to customer demands and emerging market opportunities.

SOLUTIONS

To address the challenges, we proposed a comprehensive solution leveraging Azure cloud technology and data management solutions:

Cloud Migration: We moved the client's infrastructure to Azure, ensuring scalability and operational stability.

Data Modernization: Data infrastructure was updated with data lakes, warehouses, and analytics tools for efficient data handling and informed decision-making.

PaaS Adoption: Azure PaaS and DevOps were introduced for streamlined development, enhancing agility

Hybrid Cloud Integration: A seamless hybrid cloud solution was designed to integrate resources and ensure data consistency.

Security & Compliance: Stringent security measures and compliance with regulations were implemented to safeguard manufacturing data.



Industry

Manufacturing



Products used

Microsoft Azure



Functionality Enable

Data science



Impact

21%

Reduction in bottlenecks and a subsequent 16% increase in manufacturing uptime

18%

Reduction in data processing time and enhanced data-driven decision-making by 13%

22%

Reduction in time-to-market, enabling the client to capture emerging opportunities and gain a 9% increase in market share

35%

Reduction in data synchronization errors and data center maintenance costs decreased by 25%.

Our comprehensive security strategy ensured zero data breaches, maintaining complete compliance with industry regulations



pro tip

Start small, experiment, and gradually scale up your Azure implementation to maximize cost-efficiency and effectiveness.



Take the next step

Contact us now for a game-changing Azure upgrade