



## Optimising Data Infrastructure to Enhance Growth for MFG

### Story Snapshot

MFG, the UK’s largest independent forecourt operator, faced a formidable challenge: its legacy data warehouse was struggling to handle the company’s expanding data processing and reporting requirements. Insight stepped in to transform MFG’s data infrastructure to a modern, scalable and secure solution built on Microsoft Azure.

Leveraging Azure’s robust capabilities, Insight enabled MFG to achieve remarkable outcomes including:

- 75% faster data processing, with capacity for 3x growth.
- A 40% reduction in operational costs.



### Background

MFG was facing a rapid-growth trajectory and was seeking to replace its legacy data warehouse, which had struggled to handle the company’s expanding data requirements for some time. To address these challenges, MFG partnered with Insight, a leading Solutions Integrator, to redesign and implement a modern data warehouse solution on Microsoft Azure.

### Challenge

MFG’s legacy data warehouse, inherited from an acquisition, was based on on-premises Extract, Transform and Load (ETL) and was unable to meet the growing demands of the company’s data-driven operations. The system was constrained by its infrastructure and lacked the scalability to accommodate the increasing volume and complexity of data. This resulted in sluggish data processing, delays in report generation, and the inability to extract meaningful insights from the vast data pool.

“We partnered with Insight for their expertise in designing and implementing a modern data warehouse solution on Azure. Their solution has transformed our data reporting infrastructure, enabling the business to gain faster access to data, make better decisions, and ultimately, scale our business effectively.”

Paresh Patel, IT & System Support Director, MFG

“The new data warehouse has been a game-changer. It’s significantly faster and more reliable than our legacy system. We’re now able to access and analyse our data in a timely fashion to support our daily needs.”

Paresh Patel, IT & System Support Director, MFG



## Solution and Outcome

Insight replaced MFG’s legacy data warehouse with a modern solution built on Azure’s PaaS (Platform-as-a-Service) components. This cloud-based solution provided MFG with scalability, reliability and security.

With the new data warehouse, MFG achieved a remarkable 75% reduction in data processing times enabling faster report generation. The solution has also increased the data warehouse’s capacity to handle up to three times more data than MFG’s legacy system, ensuring that the company’s data infrastructure can support future growth ambitions.

In terms of operational cost savings, the modern data warehouse has resulted in a significant reduction, with operational expenses being 40% lower than the legacy system, which has positively contributed to MFG’s overall financial performance.

Insight’s solution also provides additional security for MFG, as the new data warehouse is equipped with robust security features, including multi-factor authentication, access controls, and encryption, to protect MFG’s valuable data assets from unauthorised access and cyberattacks.

The new data warehouse provides MFG analysts with access to timely insights from their data, enabling informed decision-making. This improvement has ultimately led to MFG optimising operations, improved analytical decision making and driving business growth.

## Why Insight?

Throughout the selection process, Insight made it clear that it would be able to execute MFG’s vision with its experienced, dedicated team. MFG was looking to partner with an organisation that valued efficiency, accuracy and security.

MFG selected Insight as its Solutions Integrator due to the company’s proven track record in implementing successful Azure data warehouse solutions, its deep understanding of MFG’s business needs, and its commitment to delivering projects on time and within budget.

## RESULTS IN NUMBERS

3X

More data handling capacity than before.

50%

Time savings for generating reports.

40%

Reduction in operational costs.

75%

Reduction in data processing times.