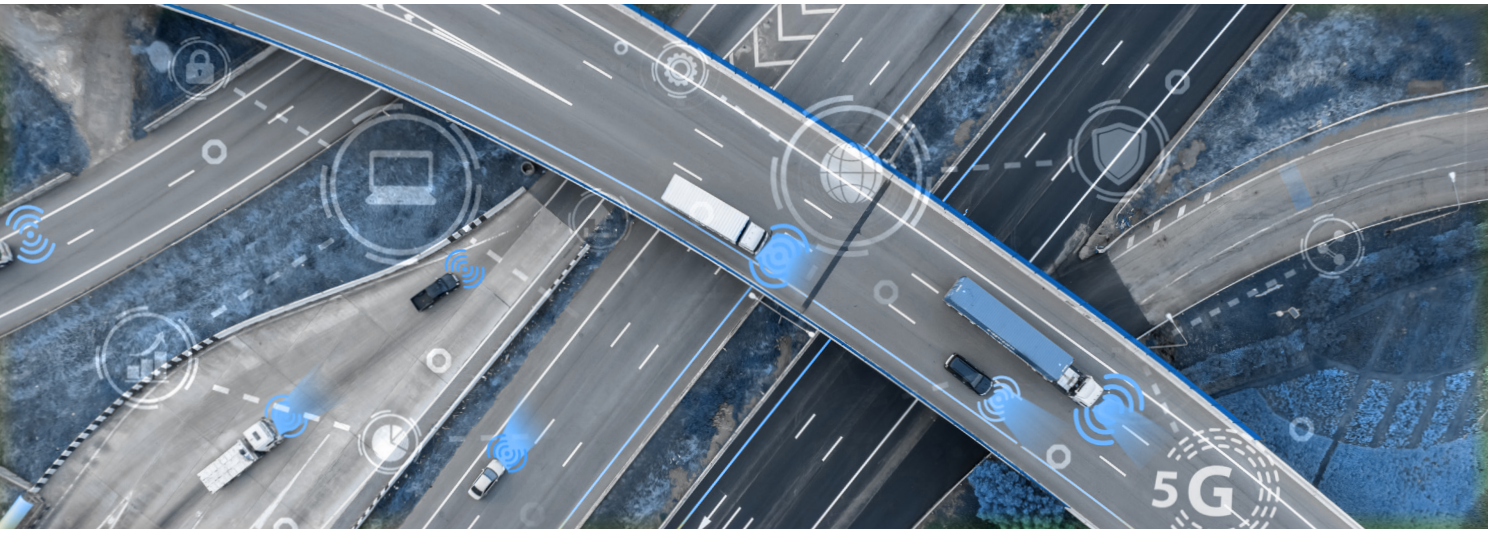
TEKsystems | Global Services

Fuelled by the Data: Saving Big with Microsoft Azure

A leading energy company optimised their logistics with Microsoft Azure DevOps.







a story of **owning change**



Mastering the Momentum of Technology in Energy

Our customer, a petroleum refining and transportation company, embarked on a logistical cost analysis of their hydrocarbon supply chain with a focus on movement and storage.

What We Did
Cloud, Digital and Data, Data Analytics

Industry
Logistics

The Challenge

Sky-High Standards

Data Analytics and Insights to Make Intelligent Decisions

Our customer spends billions of dollars annually to transport and store both raw materials and finished products before they are sold. Complex monthly spreadsheets gave our customer limited insights into overall logistical cost optimisation opportunities.

They sought to gain better visibility into these costs to better understand how well they are managing them. Our customer wanted to leverage agile delivery practices, a new approach for the enterprise.

Our Proposal

Driving Data Analytics

Optimising with Microsoft Azure DevOps

Our customer shared their vision: create more visibility and reduce logistics costs. They turned to us because of our delivery expertise and position as a trusted Microsoft partner.

We deployed a new data platform in the Microsoft Azure cloud. We leveraged the latest services that could handle structured, semi-structured, and unstructured data, designed to support data growth over time and harness the power and flexibility of Azure Synapse. A key benefit: we could only implement what was needed, giving our customer the flexibility to scale out when they used more.

We used systems such as SAP and SQL Server as sources for daily refreshes, accompanied by PowerBI as the interactive visualisation interface for business users. With large volumes of daily data, they needed a service capable of moving large amounts of data fast.

Azure Data Factory (ADF) provided a distributed system able to load data from on-premises systems, as well as other cloud sources, quickly and efficiently. To help manage and track the team's day-to-day delivery, source control, and automated deployments, we used the Azure DevOps services, providing transparency to all stakeholders and project sponsors.

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Powerful Partnership

Going the Extra Mile

Improving Data Warehouse and Management

Working closely with our customer and their dedicated Microsoft data analytics architect, we implemented best practices and tailored the solution to exceed expectations. During the development and testing phases, we identified several bugs and worked with the client and Microsoft to fix and improve.

Real-World Results

Our customer established a centralised repository focused on logistical costs of the pipeline mode of transportation. They can now extract from various operational systems—integrated, standardised, and presented in a consistent model that includes self-service reporting and business analytics.

The system leveraged a shared platform used by various business areas. The initial effort focused on the pipeline mode of transportation with other transport methods soon to follow. By designing and building a reusable platform, subsequent modes of transportation required a fraction of the initial effort and allowed our customer to make efficient use of Azure while reducing costs.

Overall, our partnership led to increased savings by fully understanding logistical costs and the proper management of all assets.

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About TEKsystems and TEKsystems Global Services

We're TEKsystems. We accelerate business transformation for our customers. We bring real-world expertise to solve complex technology, business and talent challenges—across the globe. We're a team of 80,000 strong, working with over 6,000 customers, including 80% of the Fortune 500 across North America, Europe and Asia, who partner with us for our scale, full-stack capabilities and speed. We're strategic thinkers, hands-on collaborators, helping customers capitalize on change. We're building tomorrow by delivering business outcomes and driving positive impacts in our global communities. TEKsystems is an Allegis Group company.

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