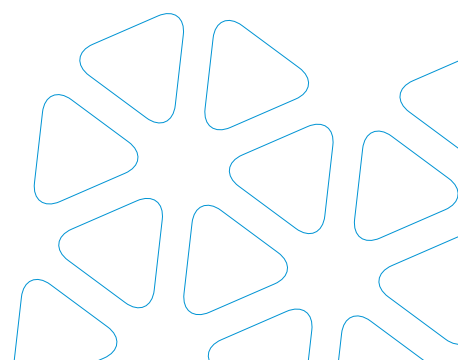


Leveraging a Modern Data Architecture for Improved Business Performance

A STORY OF OWNING CHANGE

Using the Snowflake platform, the financial services branch for a Fortune 500 company improved and modernized their real-time data processing and architecture.



Owning Change in the Financial Sector

The financial services branch for a leading construction equipment company identified the need to modernize their data architecture so they could better leverage data assets to improve business agility and performance. Their goal: to streamline their existing data systems by transitioning to a more reliable, sustainable and scalable platform.

THE CHALLENGE: ENHANCE ACCESS TO DATA ANALYTICS

Improving Real-Time Data Processing With Automation

Data is a critical asset for any enterprise—but only if that data is easy to access and put to work. Our client wanted to leverage their existing data assets to streamline processes across the enterprise that had become too complex while simultaneously enabling self-service. At the same time, they also needed to reduce the number and age of their support tickets, some of which were over 2 years old: a result of processes and systems that had become too complex. Ultimately, they wanted their data to be easy to consume so they could generate clear insights to enhance business growth and [increase technology profitability](#).

Migrating the company's data to the more open, agnostic Snowflake platform would enable them to streamline and optimize their data processing. But building out a modern data architecture would require a comprehensive strategy and implementation guided by a skilled [Snowflake Partner](#). Enter TEKsystems.

OUR SOLUTION: REDUCE MAINTENANCE COSTS BY CENTRALIZING DATA

Improving Decision-Making Through Data Analytics

To simplify real-time data processing, we first had to make sure their data was in one location. The team started with building an inventory of all existing reports, jobs and queries, as well as documenting issues to derive a list of objectives that were then reviewed and prioritized with the stakeholders for alignment. Colocating data in Snowflake with other enterprise data streamlines access to analytics, improves business agility and alleviates the month-end reconciliation process. Leveraging Snowflake by incorporating a lakehouse data model, our team developed a centralized source

for data and utilized enterprise-level capabilities to support multidimensional analytics. The result: reduced data processing and replication time while maintaining security and compliance.

Once we established the new data warehouse, our team constructed data pipelines to cut latency in half and designed tables and visual dashboards to improve performance and access to analytics. We migrated over 200 objects, empowering our customer to engage in real-time data processing with the ultimate goal of growing overall business revenue.

POWERFUL PARTNERSHIP: ENABLING A GROWTH MINDSET

Simplified and Streamlined Real-Time Data Processing

Our client recognized the need for data architecture modernization to set their organization up for growth, and they required the right partner to help develop and implement a [Snowflake data migration strategy](#). To bring their vision of a Snowflake data architecture to reality, we worked in close collaboration with stakeholders to understand the current state of their data and propose a solution that met their unique objectives.

Our [data analytics](#) experts addressed immediate tactical challenges while also building out a long-term strategy that would reduce maintenance costs and increase profitability. We helped this client put their data to work so they could more easily generate insights to improve decision-making.



Real-World Results

Establishing a modern data architecture has already led to some major benefits for this client. Not only has this process reduced operating costs and data latency, but it has also expedited data processing, development and troubleshooting. We standardized several procedures through automation while improving reporting and analytics for simpler user data views. Thanks to easier data analysis, our client can review pricing data more quickly, leading to faster time to market.

By reducing the support ticket backlog and data latency, we helped eliminate critical obstacles to business efficiency, allowing our client to focus on expanding and growing profitability. The new data warehouse features tables and views specifically designed to allow the customer to view their data in more detail and resolve any future reporting needs, enabling optimization of their products and services across the enterprise.

200+

hours in process time
saved per month

50%

reduction in
data latency

4,900

tables replicated
in Snowflake

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.

Learn more at [TEKsystems.com](https://www.teksystems.com).