



Industry | *Retail*

Tech Stacks



⚠️ Problem Statement

Before collaborating with BITLOGIX, the client had to process the high data to maintain shelf availability. They faced challenges in processing real-time data for price updates and inventory movements

🏆 Solution

We centralized all data interfaces using high-speed processing with Apache Spark on Databricks, enabling efficient real-time data handling. A rule-based engine automated stock replenishment and price change alerts to minimize manual tasks. Hosted on Azure, the system features an intuitive dashboard that delivers insights into inventory, sales, and shelf performance.

Outcomes



- *Reduced processing times for large data volumes from hours to minutes.*
- *Significant decline in pricing and inventory errors due to automated updates.*
- *Increased on-shelf availability leads to better customer experiences.*
- *Successfully scaled to manage real-time data for over 1,000 stores and 130,000 items.*
- *Automated processes save time and reduce manual errors in inventory and price management.*



Stats

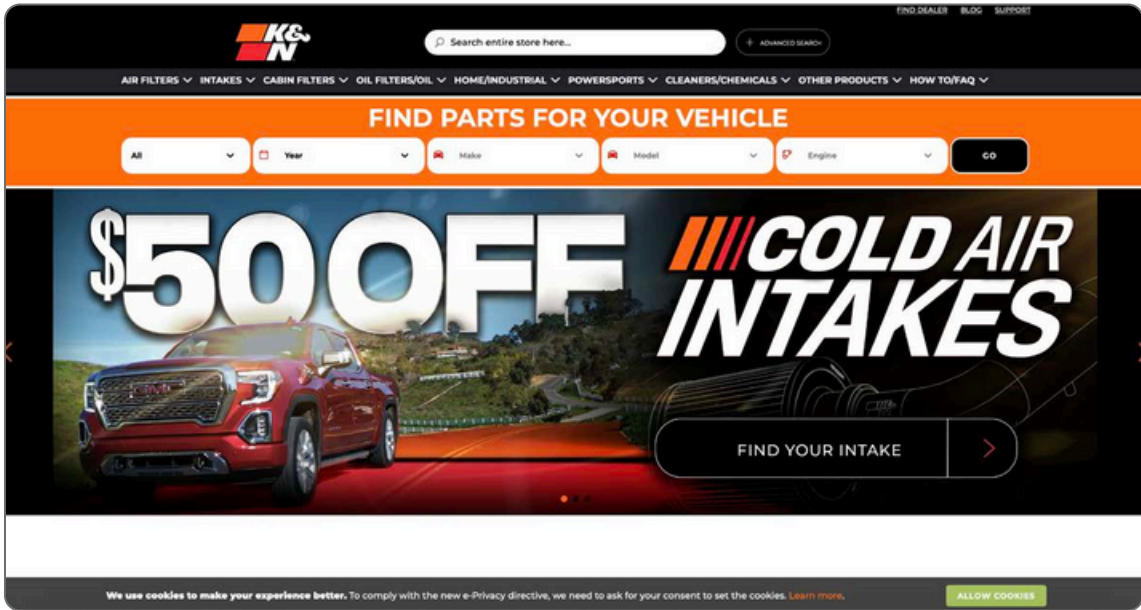
1000+
Global Stores

130K
Unique Items

12K
Store
Users

6.5M
Transactions/hour

BITLOGIX'S | Case Studies



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⚠️ Problem Statement

K&N Engineering faced a growing challenge in managing and scaling its digital operations. Their legacy systems required modernization to support a Direct-to-Consumer (D2C) e-commerce platform, streamline payment processes, ensure reliable API communication with vendors, and automate critical ERP functions. Manual invoice processing, fragmented system integrations, and limited scalability were affecting their operational efficiency and customer experience.

🏆 Solution

BITLOGIX modernized K&N’s digital ecosystem by enhancing their Magento-based D2C platform, automating invoice processing with RPA bots, and upgrading API integrations to ensure secure, scalable communication. We streamlined ERP operations by integrating banking systems, optimizing logistics, and delivering continuous tech support. These combined efforts improved performance, reduced manual effort, and strengthened operational agility.

Outcomes



- *60% Reduction in Manual Invoice Handling Time*
- *Faster Data Exchange across vendors and banking partners*
- *Improved Website Performance and higher customer satisfaction*
- *More Scalable IT Infrastructure with a secure API ecosystem*
- *Real-Time Automation of business-critical operations within ERP*



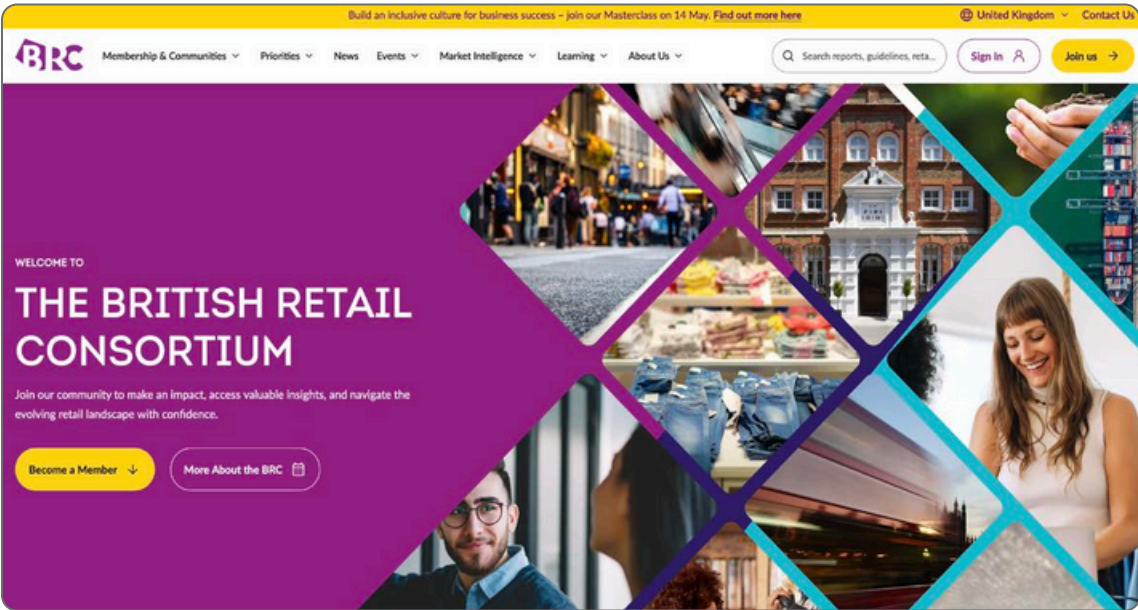
Stats
215K+
Supporting Vehicles

60+
Global Websites

370K
Customers

690K +
Credit Card Transactions

BITLOGIX'S | Case Studies



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Problem Statement

The client was collecting data manually from various resources, which consumed valuable time and caused inaccuracies in the data. Analysts manually adjust data formats to align with the Master sheets, causing inefficiencies and increasing the likelihood of errors. They faced difficulties in seamlessly integrating data from various sources into a cohesive and uniform format.

Solution

BITLOGIX has designed a comprehensive approach to gather data on a unified platform. ELT pipelines automated the data collection process, which reduced the processing time and chances of errors. We created semantic data models to efficiently generate meaningful reports. Additionally, to make analytical dashboards, we build an interactive Power BI dashboard to facilitate clients with analytical visuals, enabling faster data-driven decision making.

Outcomes

- Increased from 8 to 11 platforms, enhancing scalability and data ecosystem efficiency.
- Achieved a 100% reduction in data errors through automated processes and standardized data handling.
- Centralized data from all sources into one platform for faster, smarter insights.
- Simplified data cleaning to cut manual work and boost strategic analysis.
- Built strong data models, a warehouse, and BI dashboards for data-driven decisions.

Stats
200+
Retail Members

100
Associate Members

10+
Covered Regions/
Per Report

50+
Data Points/
Per Report