CASE STUDIES

Building dynamic supply chains with real-time granular insights

See how organizations are benefiting from cross-functional insights and enabling end-to-end visibility across their supply chains.

Global Automaker

Reducing Costs with Greater Supply Chain Visibility

Context

- Thousands of parts moving through the supply chain created delivery bottlenecks
- Ensuring overseas plants received necessary parts required express shipping, which was costly
- Lacked transparency into all parts in the supply chain to overseas plants
- Struggled to manage big data generated by the supply chain and perform deep, timely analysis

Solution

- Used supply chain analytics on Teradata Vantage™
- Centrally tracked all service providers
- Produced granular details about suppliers, pricing, and KPIs

Impact

70% reduction in air freight

Faster execution of new requirements

Reduced supply costs

Early detection of deviations

Automotive Aftermarket Manufacturer

Driving Supply Chain Visibility and Managing Risk

Context

- Needed the ability to power analytics at scale
- Lacked visibility across every SKU, every day, on hundreds of millions of dollars of inventory

Solution

- Delivered data and analytics capabilities
- Predicted and mitigated potential supply chain events

Impact

70% reduction in total cycle time

30% reduction in “referrals”

20% reduction in open back orders

10% reduction in inventory levels

5x value vs. cost of system generated in first 6 months

Yodel

Improving On-Time Delivery with Real-Time Optimized Routes

Context

- Poorly performing delivery routes and unexpected issues arising in real time put parcels at risk of not being delivered
- Lacked the ability to make route adjustments in real time

Solution

- Created a “business control tower” using Teradata Vantage on Azure; used real-time data and analytics to identify at-risk parcels, allowing for real-time changes in routes
- Optimized routing based on committed SLA for the level of service the customer had selected
- Performed continuous analysis of up to 5,500 delivery routes with over 500,000 parcels
- Captured driver locations in real time from handheld devices
- Suggested changes to routes/parcel sequences to reduce at-risk parcels

Impact

97%+ on-time delivery, up from 94%

In-flight rerouting helped maintain delivery service levels and reduce late-delivery penalties

Parcel Delivery Service

Realizing Ongoing Value from an Enterprise Data Warehouse (EDW)

Context

- Business was not optimizing operations

Solution

- Used EDW to enable connectivity across various functions and geographies
- Improved operations, financial management, and customer-facing applications
- Provided shipment traceability, pricing, financial reporting, and other benefits

Impact

47M+ queries per day, with 99% tuned tactical queries running in less than 1 second

8,000+ production tables and 4,000+ user tables supporting ad hoc analytics

200 concurrent queries running simultaneously

Retailer

Increasing Sales with Better Forecasting and Demand Planning

Context

- The retailer needed a modern approach to forecasting and modeling to identify customer demand

Solution

- Used a production-level forecasting and demand planning solution from Teradata that took a layered forecasting approach across integrated data

Impact

2.2% increase in sales by leveraging multilayer modeling

77% forecasting accuracy, up from 66%

- Enabled near real-time sales feeds to forecast and deliver demand plans direct to stores

Grocery Retailer

Boosting Sales by Better Understanding Demand

Context

- Needed to better predict customer demand for baked goods

Solution

- Leveraged a Teradata production-level forecasting and demand planning solution that increased the frequency of forecasting to near real time

Impact

12% increase in sales of baked goods

Modernize Your Supply Chain Today

Let us show you how to modernize your supply chain. We provide end-to-end visibility and a granular, real-time understanding of your dynamic supply chain.

Learn more at Teradata.com

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