

Build intelligent, resilient supply chains with Teradata and FICO

Supply chains form the backbone of most global companies and are vulnerable to disruption from surges in customer demand, agile and aggressive competitors, economic fluctuations, political upheavals, and more.

Yet despite their importance, traditional supply chain solutions often fall short of meeting the demands of modern logistics. Many organizations rely on out-of-the-box tools, in-house applications, or spreadsheet-based solutions that lack the flexibility and scalability to handle complex, multi-commodity network operations. These approaches can also lead to siloed decision-making, an inability to manage risk effectively, and missed opportunities for innovation and growth.

Two partners, one powerful solution

FICO and Teradata have partnered to provide a future-ready supply chain optimization solution that empowers businesses to manage their critical end-to-end logistics. By integrating superior data analytics from Teradata VantageCloud Lake, the most complete cloud analytics and data platform for AI, with FICO® Supply Chain Solver, deployed on FICO® Xpress Insight, the industry-leading optimization technology, businesses can dynamically and proactively manage their supply chains and ensure efficiency, agility, and resilience.

Make smarter decisions, faster

FICO and Teradata make it easy to create, deploy, and utilize supply chain optimization solutions with scalable, high-performance algorithms. FICO Supply Chain Solver provides a ready-built, comprehensive, and extendable solution for optimizing manufacturing processes and logistics networks, allowing organizations to manage increasingly complex multi-scale supply chain data, resulting in higher business value.

Additionally, decision-makers and their teams can directly plan and execute strategies with an interactive interface that's designed for them to work with models in business-user terms. This enables them to clearly understand and manage the trade-offs and sensitivities

inherent in their strategies without having to rely on IT support. In other words, business leaders can make smarter decisions, faster. Other features include:

- **Unified Data Pools** – Integrating Teradata and FICO solutions unifies siloed data for harmonizing and analyzing vast amounts of information from multiple sources. Pre-built templates tailored for rapid deployment are also available to accelerate the time between trial and production.
- **Real-Time Forecasting and Behavior Modeling** – Advanced data analytics across dynamic transactional systems allows decision-makers to anticipate and respond to market changes swiftly. Leaders can also analyze historical data with multiple forecasting algorithms simultaneously to improve downstream planning systems.
- **Robust Scenario Planning** – Organizations can input and explore complex alternatives to baseline scenarios, evaluating numerous variables to make optimal decisions within any business constraints. Comparison capabilities enable teams to conduct what-if analyses and understand dependencies and sensitivities within any problem.

Streamline costs and maximize efficiencies

FICO and Teradata's joint solution supports both strategic and tactical operating decisions, effectively combining network design and sales and operations planning (S&OP) business processes. To optimize the costs and efficiencies of any supply chain challenge, business leaders can leverage this joint solution to solve for the following challenges:

- **Network design:** How many facilities (such as suppliers, manufacturing plants, distribution centers, stores, etc.) are needed in your supply chain network? What capabilities and capacities should they have? Where and when should they be opened and closed?
- **Production planning:** Where, when, and how much of each component or product should be produced? When is it best to utilize alternative bills of materials to balance available inventory and operating costs?
- **Inventory planning:** Given volatile or seasonal demand, where/when/how much of component and finished inventories should be held, and how often should they be replenished?
- **Transportation:** What is the right path to move components and products from sources to destinations?
- **Resource planning:** Where and when should resources be located (such as personnel, machines, vehicles, etc.) to manage risk, and achieve business objectives for multi-modal, multi-echelon manufacturing and distribution networks?



These are extremely complicated and often interconnected decisions that will make or break a firm. Further, they are subject to change as new data becomes available or unexpected disruptions emerge. They require testing, but they also require speed, which means that business leaders can't wait for IT resources to become available before they can act. The time when firms could rely on outdated technology to tackle these challenges has long since passed. Fortunately, FICO and Teradata can put the power of analytics into the hands of the business leaders with a simple yet robust solution that will quickly deliver the best decisions possible.

Take the next step

Ready to transform your supply chain optimization strategy? Learn more at Teradata.com/partners/FICO or FICO.com/Teradata.