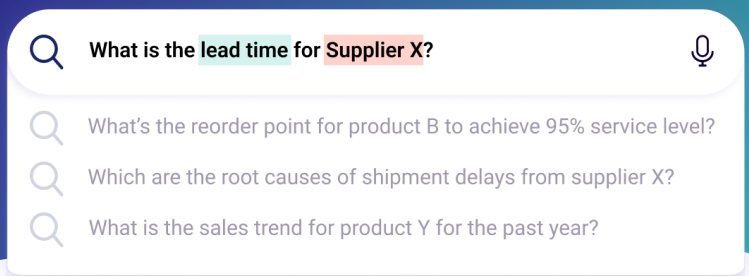
Inventory Optimization

Generate new insights to drive efficiencies in inventory management



Inventory Optimization Challenges Today

Finding the equilibrium between having the right amount of inventory and incurring the costs associated with too much inventory is extremely challenging for many organizations. Customer demand fluctuations, supplier lead time variability, managing for slow-moving inventory, and seasonality are only a few of the variables to consider in inventory optimization. Much of the data from these variables sits in siloed data repositories in various departments. On top of these variables, many organizations have a tremendous number of SKUs to manage with various demand patterns, product life cycles, and supply chain requirements. Pulling all the information together, keeping updated on changes, and making decisions to optimize inventory is a tremendous frustration.

Inventory optimization is complex and time-consuming, requiring a high degree of technical knowledge. However, AI-powered analytics can help.

AI-Powered Analytics for Inventory Optimization

Tellius is a modern AI-powered analytics platform designed to help mitigate these challenges. The platform enables organizations to bring together all of the data necessary to optimize inventory management challenges. From IoT device data to supplier and third-party data from retailers, manufacturers, and market research companies, Tellius enables you to create a comprehensive view of all your inventory data. With an advanced data engine, the platform provides real-time visibility and alerting to allow you to respond to low inventory levels or manufacturing disruptions immediately. You can also collaborate with suppliers via Vizpads to understand how lead times are impacting your inventory levels.

The Tellius AI-powered analytics platform augments your ability to optimize your inventory levels. The platform offers:

- Automated insights to identify critical factors that impact inventory levels, such as demand variability, lead time, supplier performance, and seasonality.
- Built on the powerful Dual Analytics Engine, Tellius scales to meet your organization's performance or concurrency demands
- Leverage anomaly detection with real-time data to uncover supplier issues and respond to sudden spikes in demand to adjust safety stock or reorder points.
- Integration with your organization's entire data ecosystem from internal sources and external sources, including suppliers, retailers, manufacturers, and third-party market research.

Why Tellius for Inventory Optimization

- Automatically analyze millions of data points to identify key drivers and root causes of inventory shifts.
- Ask and answer inventory questions to unlock efficiencies for the entire organization.
- Unify data across all channels and easily integrate with legacy inventory systems to dive into analysis faster in one place.
- Predict the impact of disruptions through AutoML and accessible ML modeling capabilities

INVENTORY OPTIMIZATION USE CASES

Inventory 360

Tellius enables a holistic view of all your inventory-related data assets in one location. The ability to connect to historical sales data, demand data, supplier data, and more allows for more opportunities to optimize inventory levels. This comprehensive data access is the foundation to begin uncovering insights hidden within your data. With more of your data in one place, AI-powered analytics helps to uncover patterns and relationships that are impacting your inventory management practices.

Reduce Stockouts & Minimize Carrying Costs

With a real-time view into all the relevant inventory data, organizations can better assess how inventory levels, sales, and supplier performance are impacting stockouts and optimize for carrying costs. Organizations leverage Tellius to ensure optimal levels of safety stock with built-in alerting and anomaly detection capabilities. Based on these new insights, AI analytics helps optimize inventory by enabling dynamic reorder points based on demand patterns, lead times, and other variables.

Improved Customer Satisfaction

Meet customer needs and boost retention through better insights into replenishment strategies. With predictive analytics capabilities, Tellius enables more accurate demand pattern predictions to help optimize inventory levels, reducing the likelihood of stockouts. By leveraging AI-driven analytics, organizations reduce backorders and streamline fulfillment by taking the guesswork out of inventory management practices. Tellius also provides a recommendation engine to personalize product recommendations, promotions, and discounts, helping to better inform inventory optimization decisions.

Minimize Waste

Tellius helps organizations minimize wasted inventory by augmenting key analytical capabilities. Ensuring only the necessary buffer stock is maintained helps to reduce excess inventory waste and makes your inventory practices even more efficient. With Tellius, more efficient safety stock calculations can be achieved with better demand forecasts, leveraging anomaly detection in quality control, and continuous monitoring via Vizpads. With real-time data at your fingertips, there are more opportunities to find efficiencies in your inventory management and reduce waste generated by the organization.

Success Story

A multinational consumer goods company's supply chain team lacked a way to self-service critical business questions. The IT/Analytics Team was inundated in requests causing delayed responses to business teams. Time consuming manual data pulls were required for each analysis and multiple tools were used by every team. Supply chain analysts performed manual tracking of KPIs and had limited views into data with existing BI dashboards.

The supply chain team now uses Tellius to drive production decisions that achieve optimal end-to-end inventory levels to maximize sales growth at the lowest possible end-to-end execution costs. Analysts have access to on-demand integrated dash boarding for on-the-fly deeper insights. This ad-hoc analysis has helped to reduce out of stocks and allocation costs with deeper AI-driven insights. The supply chain team leverages Automated Insights to identify high opportunity products that are currently under performing.

20%
reduction in holding costs

$2m
per year in annual revenue from stockout avoidance

10%
increase in sales from enhanced order fulfillment