

Warehouse Inventory Rebalancing Platform for Retail Giant

Overview of the Client

Managing a Large and Complex Warehouse Systems

With the expansion of business, our client, an internationally renowned retail enterprise with warehouses scattered across multiple cities, is facing numerous challenges, especially in terms of ensuring balanced inventory levels and timely delivery of customer orders.

Previously, the client relied on manual monitoring of inventory in each warehouse. This process was not only time-consuming and labor-intensive but also prone to errors. Misallocation of inventory due to manual operations led to operational chaos, delays in cross-warehouse transfers affected sales, and imbalanced promotional inventory created a vicious cycle. In an era that requires rapid response to market changes, such an inefficient monitoring method has become unsustainable.

Highlights of the Hengtian Solution

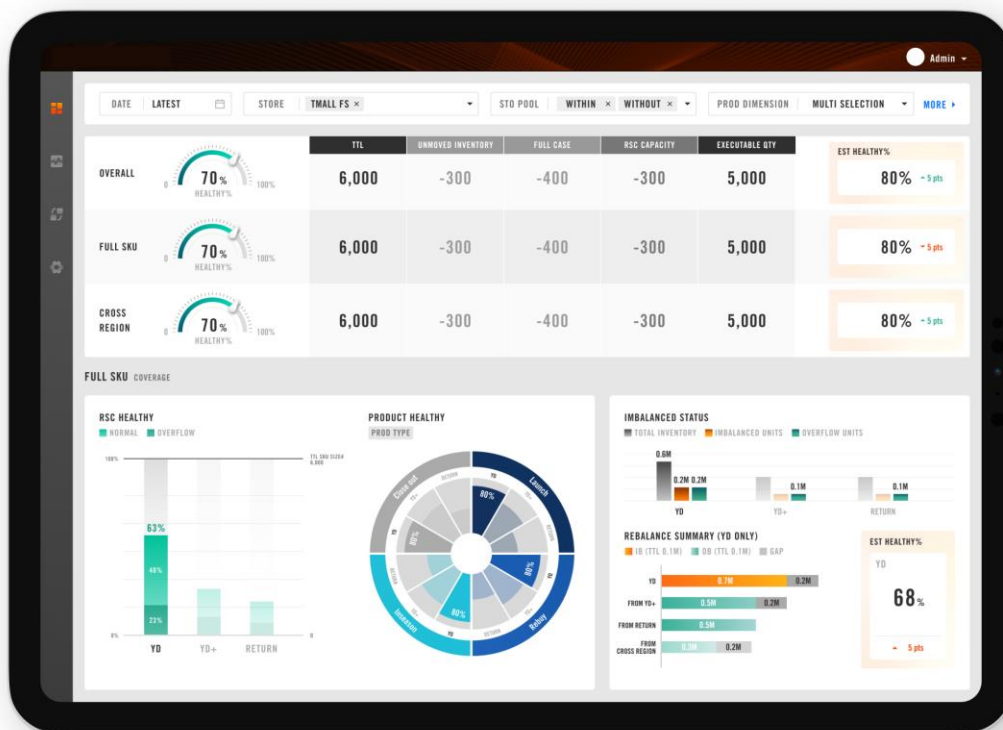
Intelligent Data-Driven Warehouse Management System

To address this challenge, we designed and implemented an intelligent data-driven warehouse management system for our client. The core of the system is an intuitive dashboard that serves as a visual command center, using color-coded maps and dynamic graphics to provide real-time insights into the inventory health of each warehouse, categorized by eastern, southern, western, and northern regions. Key metrics such as inventory turnover rates and stockout levels are presented in an easily understandable visual format, enabling users to quickly grasp inventory status.



Moreover, we have given users a high degree of flexibility. They can manually adjust inventory allocation parameters based on market trends, promotional activities, or seasonal variations. The system then automatically generates detailed inventory rebalancing plans, visually mapping out the most efficient paths for transferring goods between warehouses.

Working in Partnership



Improved Efficiency and Customer Satisfaction Significantly

Since the implementation of the system, the results have been remarkable. The health of warehouse inventories has improved by 72%, significantly reducing overstock and



stockouts and ensuring smoother cash flow. Concurrently, the on-time delivery rate of customer orders has increased by 64%, greatly enhancing customer trust and satisfaction.

