Hypersonix

Inventory AI

In industrial supplies, inventory is both your backbone and your biggest risk. With tens of thousands of SKUs, long lead times, varying reorder points, and customer-specific demand patterns, inventory misalignment leads to delayed orders, lost contracts, and tied-up capital.

Hypersonix Inventory AI delivers intelligent, real-time inventory optimization across warehouses, distribution centers, and digital channels. From fast-moving PPE to rarely ordered replacement parts, it ensures you carry just enough—without compromising availability or margin.

Key Features

SKU-Level Inventory Optimization

Automatically adjusts inventory thresholds based on demand variability, lead times, and sales velocity—SKU by SKU.

Best Fit: Managing stock levels on industrial fasteners, power tools, or specialty fittings with unpredictable order frequency.

Excess & Obsolescence Risk Detection

Identifies SKUs that are slow-moving or approaching obsolescence, recommending early actions to preserve capital.

Best Fit: Flagging oversupply of discontinued drill bits or low-turn maintenance supplies before markdowns are needed.

Multi-Warehouse Allocation Planning

Balances inventory across DCs, branches, and regions based on local demand signals and customer order patterns.

Best Fit: Optimizing allocation of electrical components or safety gear to meet demand in jobsite-heavy regions.

Lead-Time-Aware Replenishment

Aligns ordering frequency and lot sizes with vendor lead time variability and real-time usage data.

Best Fit: Streamlining restock plans for imported valve assemblies or items with complex compliance sourcing.

Omnichannel Fulfillment Visibility

Unifies inventory data across eCommerce, B2B portals, and field sales to improve fill rates and avoid order delays.

Best Fit: Ensuring accurate availability of MRO supplies across web orders, inside sales, and distributor partners.