

# Respond to Supply Shortages with Intelligent Distribution of Inventories

As shortages and delays become more common, global organizations must devise a proactive, smart solution for allocating constrained inventory to customer demands.

**Meet Smart Inventory Allocation** – Tredence's intelligent algorithmic allocation solution to optimize inventory distribution.

**Our ML algorithm takes into account the following factors:**

- Division and BU level strategy to prioritize groups of customers
- Individual customer historical data and business relationship, converted into mathematical inputs to the algorithm
- Material allocation to customers in real-time to avoid concentrated allocation
- Daily inventory for each material at each DC

Reach out to us at [alliances@tredence.com](mailto:alliances@tredence.com) for a demo.

Tredence is an AI engineering and analytics company that focuses on the last-mile delivery of insights into actions by uniting its strengths in business analytics, data science, and software engineering.

## Proactively and methodically allocate inventory against customer orders



### Division-level Prioritization

Based on strategic priorities, intelligently allocate the entire inventory for each material to specific DCs and divisions



### Customer Prioritization

Instead of FIFO, allocate units to each order based on client history, orders, and allocations



### Visualization & Overrides

Using Power BI Dashboard, update and override metrics to change allocations, displaying current and prior allocations

## Business Impact



**15%+** increase in customer satisfaction



**50%+** reduction in manhours for allocation



**70%+** drop in overrides and expedites

Tredence delivers allocation plans to release available inventory to customers, aligned with your business objectives.

