Supply Risk Monitor Solution

Business Impact numbers

15%
Reduction in shortages

25%
Optimization in supplier risk mgmt. by analyzing item and external metrics

Time to execution

3
Weeks to Pilot

8-10
Weeks – Time to market

Problem Overview

Firms need a solution to better predict supplier outages, allowing them to avoid decreases in production by pre-ordering at-risk materials or ordering from alternative suppliers.

High level approach/solution framework

The combination of Tredence's AI & advanced Data Science capabilities and Azure's data processing provides a winning combination that helps manufacturing firms-

- Analyze recent and historical item metrics data, supplemental data such as weather reports and social media posts to identify potential shortages weeks in advance
- Calculate risk levels from brand level to supplier/DC/item level
- Determine dynamic rerouting plans

Azure architecture or Azure components used

ADF Pipelines

Azure MS-SQL Database

Microsoft Power BI

Usage stats at a high level

1000+
suppliers

2000+
SKUs

10+
Supplier performance evaluation KPIs