Dynamic Order Fulfillment

Business Impact numbers

10%
Improvement in the order fill rate

11%
Reduction in the transportation costs

Time to execution

4
Weeks to Pilot

10-12
Weeks – Time to market

Problem Overview

Develop a ML based solution that can help CPG firms deal with significant demand variability across channel & geographies

High level approach/solution framework

The combination of AI & Advanced Data Science capabilities, Azure's data processing provides a winning combination that helps Retailers & CPG firms confidently solve the dynamic fulfillment problem.

- Dynamically decides source location for customer order fulfillment
- Plans better for labor and shipping capacities
- Increases long term forecast accuracy to avoid misplaced inventory
- Improves short term forecast at a detailed level with demand sensing

Azure architecture or Azure components used

ADF Pipelines

Azure MS-SQL Database

Microsoft
Power BI

Usage stats at a high level

2000+
SKUs

10+
DC/Warehouse and Transportation KPIs

10+
Supplier performance evaluation KPIs

8
techniques in ensemble for 1200 models every week

Tredence
Connect the Dots