

DISTRIBUTION NETWORK OPTIMIZATION

Optimized Solutions helps bottled water company optimize distribution network & demand planning

CASE STUDY

Supply Chain Management/ Food & Beverage/ Digital Transformation

The client, a bottled water & beverage company, was looking a demand planning solution. Optimized Solutions implemented a solution that automated distribution network and demand planning.

TYPE OF PROJECT
Digital Transformation (Logistics Efficiency)

MARKET
MANUFACTURING / Food & Beverage

LINE OF BUSINESS
Supply Chain Management

OVERVIEW

Optimized Solutions helped the client, a leader in bottled water & beverage industry, optimize their distribution network and production planning.

PROBLEM STATEMENT

The client was unable to perform distribution network simulation and demand planning and incurred high transportation inefficiencies as a result.



SOLUTION

Optimized Solutions conducted a proof-of-concept (POC) to optimize the client's distribution network process with Optimized's flagship digital transformation tool, Accelerated Architecture for Manufacturing Intelligence (AMI).

Specifically, we:

- 1 AMI allowed planner to interactively plan the distribution network either manually or automatically.
- 2 In manual planning, the planner could decide the location of additional distribution centers. The planner could also add or disable distribution centers or move existing distribution centers to other locations.
- 3 In automatic planning, the application proposed a list of distribution centers to add. The planner then selected the distribution centers to add from the list. The effect of changes to the distribution network was calculated in real-time.

We built the AMI architecture ground up by closely observing the currently available DX solutions and honed it to provide the best-of-the-breed solution for seamless, clear and precise intelligence that makes for strategic decision making and that is suprisingly cost and time effective.

~Sam Reddy, CEO Optimized Solutions

BENEFITS

- 01 Color coded distribution networks & transportation routes to quickly spot and change high cost areas
- 02 Modelled optimum location of distribution centers by taking account of seasonal changes in customer demand
- 03 Reduced costs by combining multiple orders and consolidating distribution centers

ABOUT OPTIMIZED

Optimized Solutions is a modern information engineering enterprise that provides trusted and reliable IT solutions to Fortune 500 companies and Digital Intermediaries. With more than a decade of proven experience in SAP Suite, Cybersecurity, Augmented Intelligence & Machine Learning, Cloud Migration, and Data Management & Analytics, Optimized Solutions empowers companies to drive disruption, seize opportunities, and embrace innovation through successful digitalization initiatives.

Optimized Solutions is based in Chicago, USA, with offices in Boston and India.