

Finished Goods Waste Reduction using AI-powered Insights

CLIENT

**A leading global Food &
Beverages company**

INDUSTRY

CPG



BUSINESS CHALLENGE

Inventory Waste was an ~\$100M annual problem for our client, a CPG organization with several foods and beverages business lines. Waste was being caused predominantly due to products going stale, getting damaged while in transit or while in storage and due to customer returns.

The client wanted to:

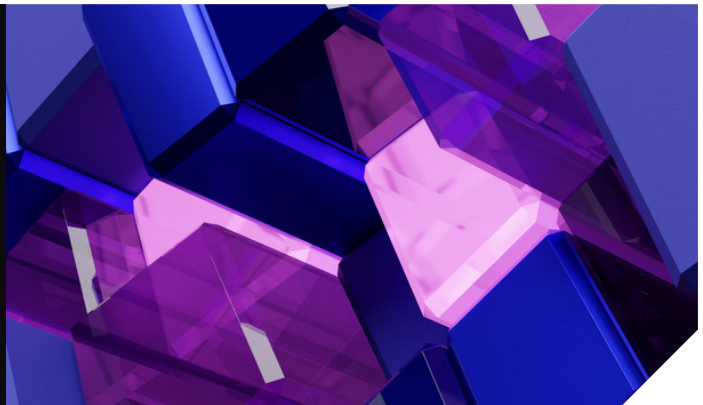
- Reduce Finished Goods Waste across plants, warehouses, and other sites across the supply chain by using data from relevant data sources to determine common scenarios in which inventory went to waste and take pre-emptive actions to prevent those scenarios from happening in the future.
- Set up these insights to dynamically change based on day-to-day updates from across the sites with prescriptive recommendations on what the site leads had to do to reduce the business impact caused by waste.



BUSINESS IMPACT

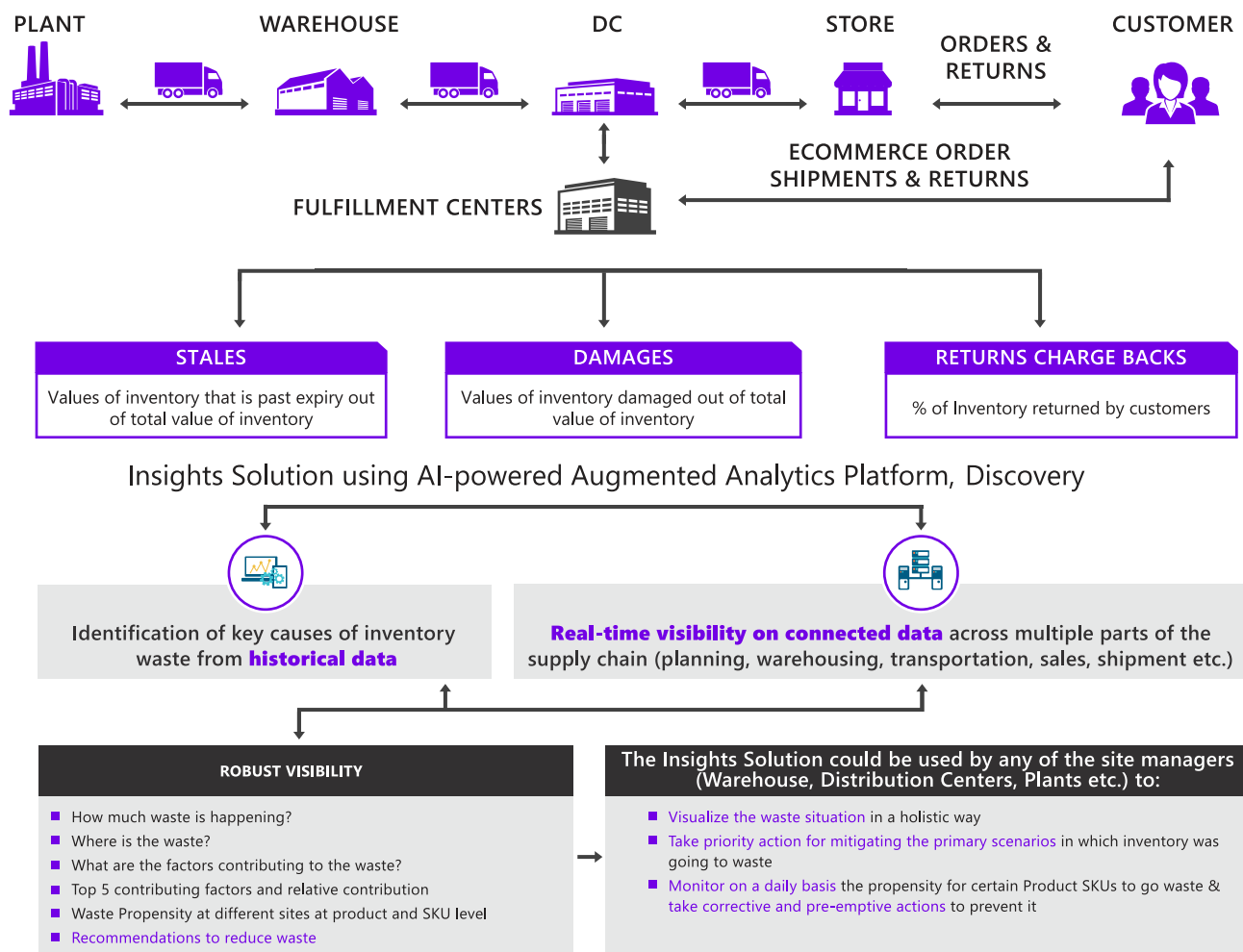
- Significant reduction in time spent by concerned stakeholders to identify the causes of waste and to look for potential products that could go waste in future
- Increase in Operational Efficiency across the entire Supply Chain with new controls built-in for waste reduction

KEY DELIVERABLES



- AI-powered Insights solution derived from connecting multiple datasets – Warehouse, Planning, Transportation, Sales, Shipment
- In-built Machine Learning models that dynamically change based on real-time data and bubble up Causal Factors, Anomalies, and Recommendations
- Interactive Visualizations from live data that enable Site Managers to do what-if analysis and drill down and analyze the data

SOLUTION APPROACH



OUTCOME

- Adoption by site managers as the single source-of-truth for viewing and analysing inventory waste metrics
- Potential for ~30% decrease in inventory waste through actionable alerts from Discovery Expansion to identify and address additional reasons behind inventory waste to increase impact

ABOUT US

C5i is a pure-play AI & Analytics provider that combines the power of human perspective with AI technology to deliver trustworthy intelligence. The company drives value through a comprehensive solution set, integrating multifunctional teams that have technical and business domain expertise with a robust suite of products, solutions, and accelerators tailored for various horizontal and industry-specific use cases. At the core, C5i's focus is to deliver business impact at speed and scale by driving adoption of AI-assisted decision-making.

C5i caters to some of the world's largest enterprises, including many Fortune 500 companies. The company's clients span Technology, Media, and Telecom (TMT), Pharma & Lifesciences, CPG, Retail, Banking, and other sectors. C5i has been recognized by leading industry analysts like Gartner and Forrester for its Analytics and AI capabilities and proprietary AI-based platforms.



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