



Case Study

Course5 Discovery: Augmented Analytics

Finished Goods Waste Reduction using AI-powered Insights

Industry: CPG

Client: A leading global Food & Beverages
company



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

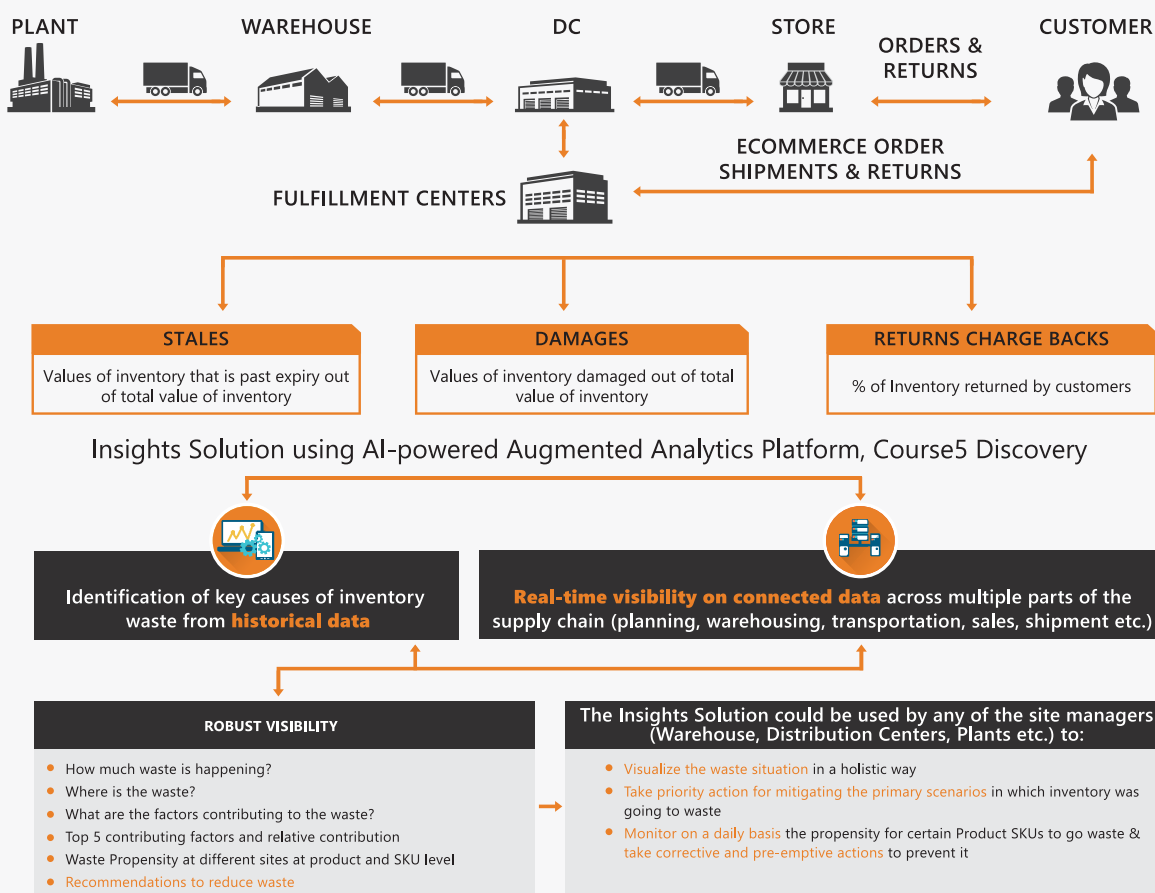


KEY DELIVERABLES

- 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



OUTCOMES

- 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

Course5 Intelligence is a pure-play data analytics and insights company with a focus on helping organizations drive digital transformation using artificial intelligence (AI), advanced analytics, and insights. We enable organizations to solve complex issues relating to their customers, markets, and competition at speed and scale through a combination of industry-specific domain expertise with AI-driven products and solutions that are Intellectual Property (IP)-led and leverage the latest technologies. We use a multi-disciplinary approach to data integration across structured and unstructured data sources to help businesses grow through informed decision-making.