



Finished Goods Waste Reduction

CLIENT

**Global Food and Beverage
Conglomerate**

INDUSTRY

CPG



BUSINESS REQUIREMENT

- A leading Global Food and Beverage Conglomerate wanted to reduce finished goods waste across Plants, Warehouses, and other sites. They wanted to create a forward-looking view of pre-emptive actions of the propensity of inventory to go to waste.



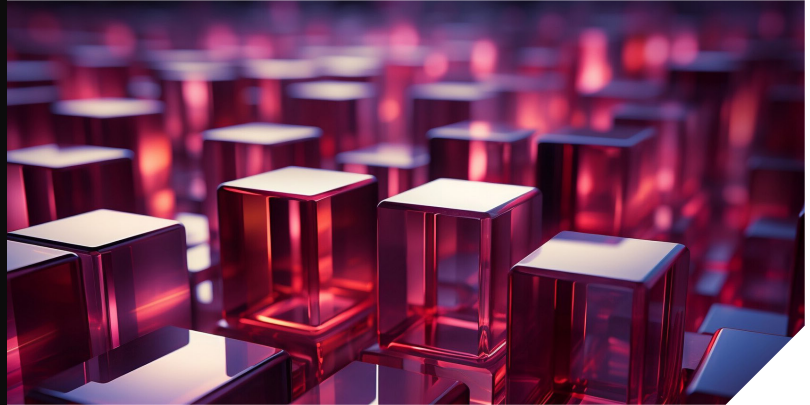
KEY BUSINESS QUESTIONS

- How can predictive alerts and causal analysis be further optimized to enhance Supply Chain efficiency continuously?
- What strategies are necessary to expand the successful waste prediction model, ensuring seamless integration and consistent outcomes?

Outcomes

- Reduced waste by 30% across sites, saving around \$90 million
- Enhanced insight speed by 35%, aiding faster decisions
- Doubled productivity through self-service features
- Cut OPEX by 30% while maintaining 95% uptime
- Increased data adoption, improving decision-making and operations

C5i'S SOLUTION APPROACH



Developed an integrated enterprise Data Fabric platform, consolidating data from SAP, Siebel, and other systems to provide actionable insights for Fill Rate, transportation, and Inventory management.

- **Adaptable Data Module:** Implemented a scalable and flexible Data Module to accommodate evolving business requirements and democratize data access.
- **User Adoption Focus:** Employed a decision-first approach to drive enhanced adoption across various user personas within the organization.
- **Observability Enhancements:** Ensured active monitoring with robust Data Lineage and Metadata management, integrating best practices like Query Pattern Analysis.
- **Product Master Data Management (MDM):** Enabled efficient Data Stewardship Operations, Automated Workflow, Data Certification Processes, and Database Health Reporting & Alerts.
- **UI/UX Enhancements:** Delivered faster, more relevant, and actionable insights through improved visualizations across multiple consumption mediums.

Solution – Discovery, Supply Chain Analytics.

Technologies Utilized – Azure Data Factory, Databricks, SQL Server, Python, Enterprise Data Framework (EDF), PowerBI.

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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