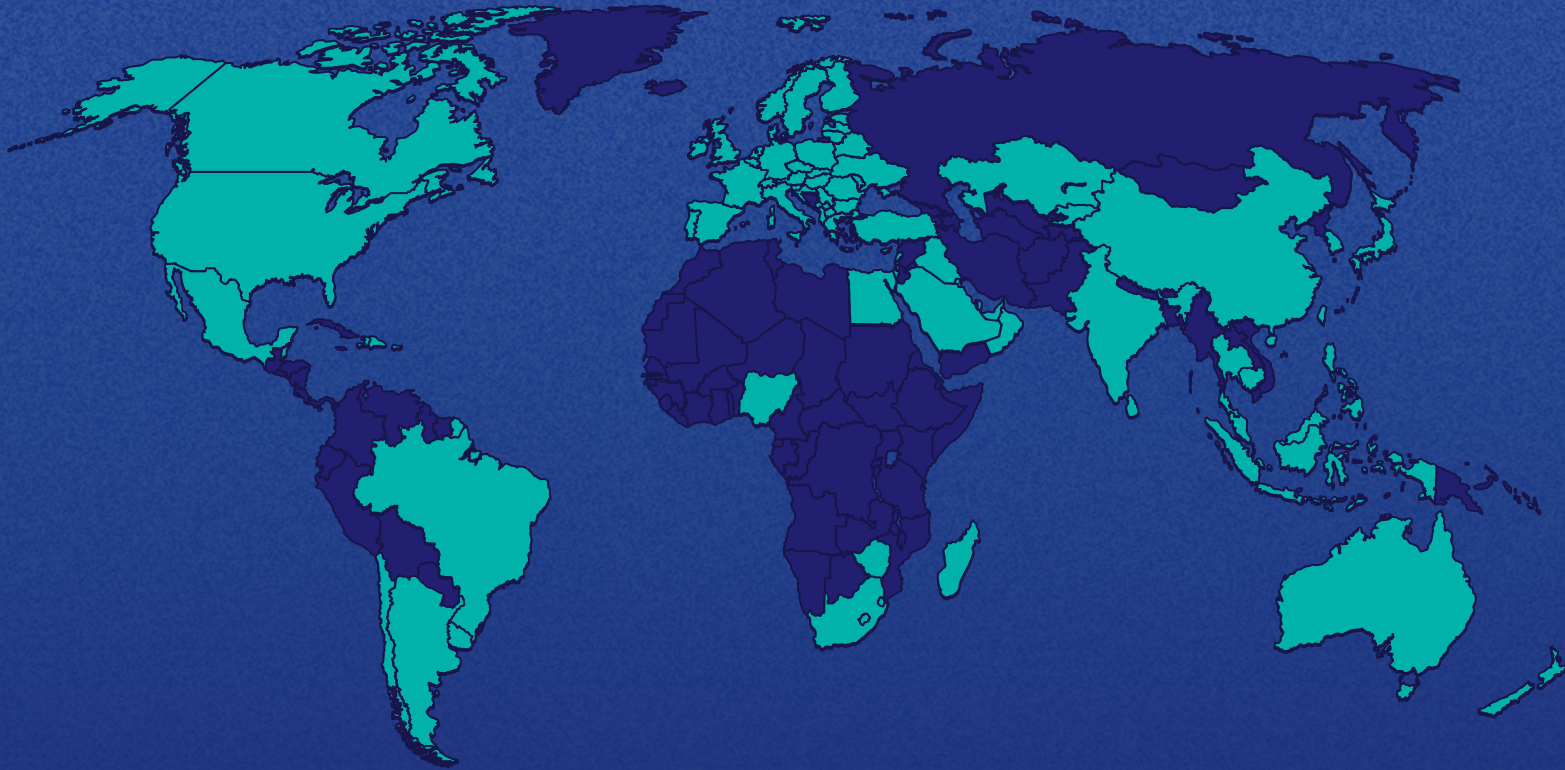


# Optimising Supply Chain Performance with Unified Data

Saurav Gupta  
Data Platforms Team Lead

# About InterSystems



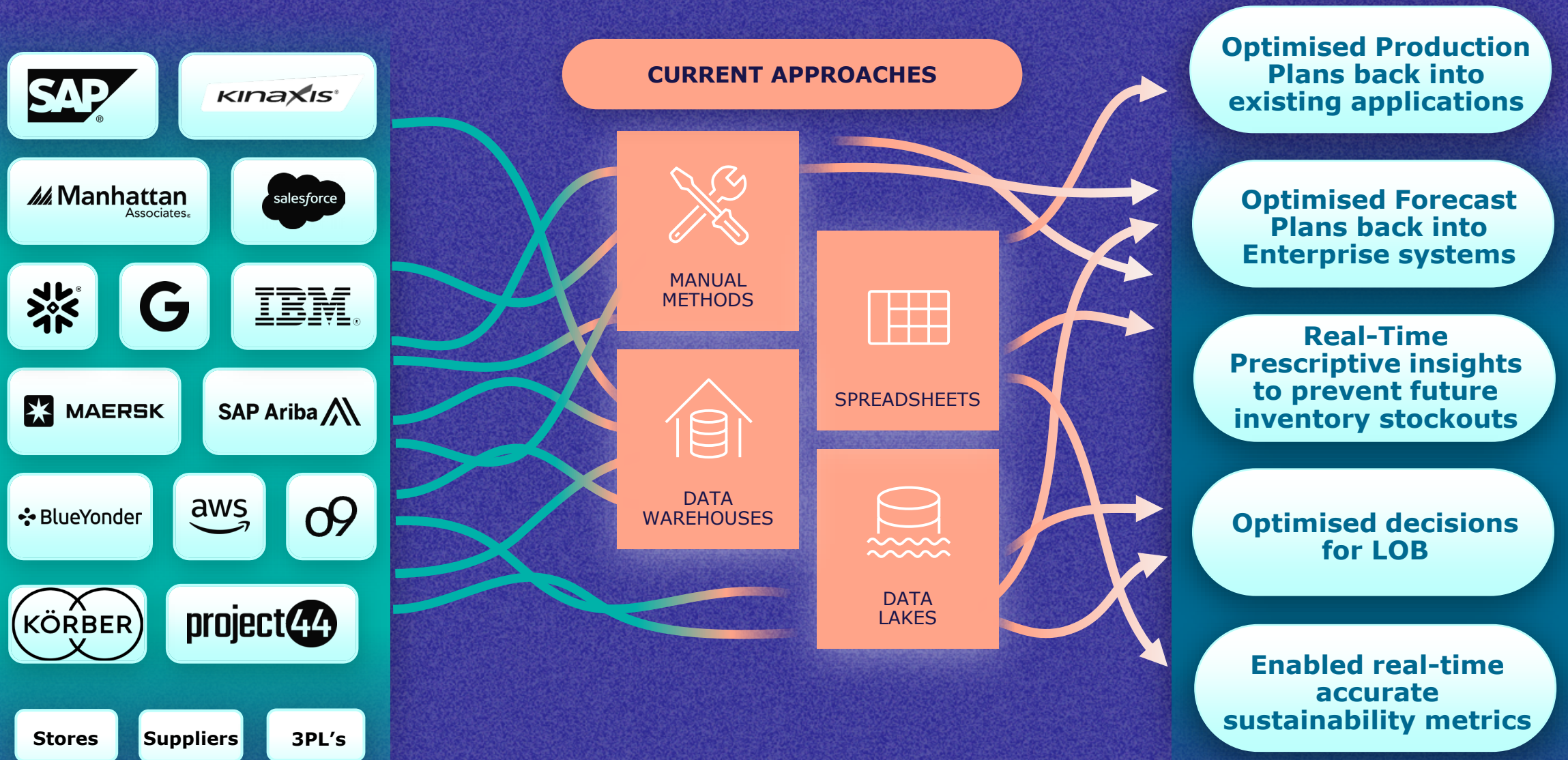
Track 20M ocean containers continually

Manage >2B Patient Records Worldwide

Process 15% of the World's Equity Trades

[Visit the website](#)

# Challenge: Supply Chain Optimisation



# What is a Data Fabric?



Data fabric delivers a **unified, integrated, and intelligent end-to-end data platform** to support new and emerging use cases.

**Automating** all data management functions — including ingestion, transformation, orchestration, governance, security, preparation, quality and curation.

Enabling insights, analytics, applications and AI to  
**accelerate business outcomes.**



[Read More](#)

**“By 2024, data fabric deployments will quadruple efficiency in data use, while cutting human-driven data management tasks in half” \*\***

**Gartner**<sup>®</sup>

\*\*Gartner Insights, Striving to Become a Data-Driven Organisation? Start With 5 Key D&A Initiatives, 2024

<https://www.gartner.co.uk/en/information-technology/insights/data-and-analytics-essential-guides>

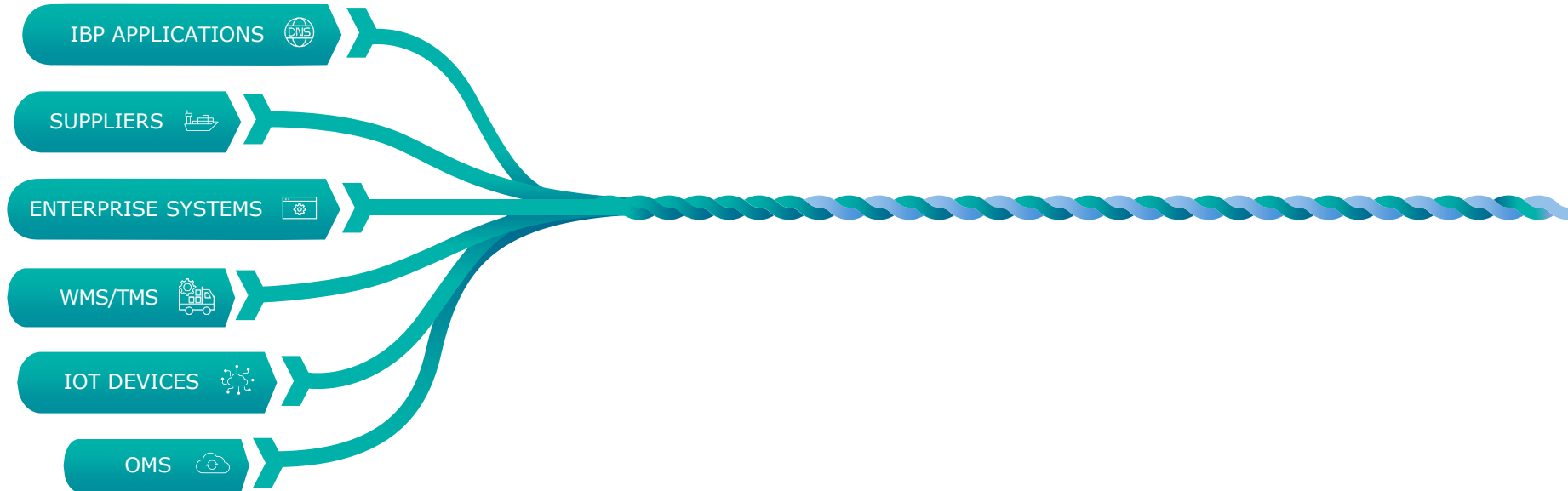
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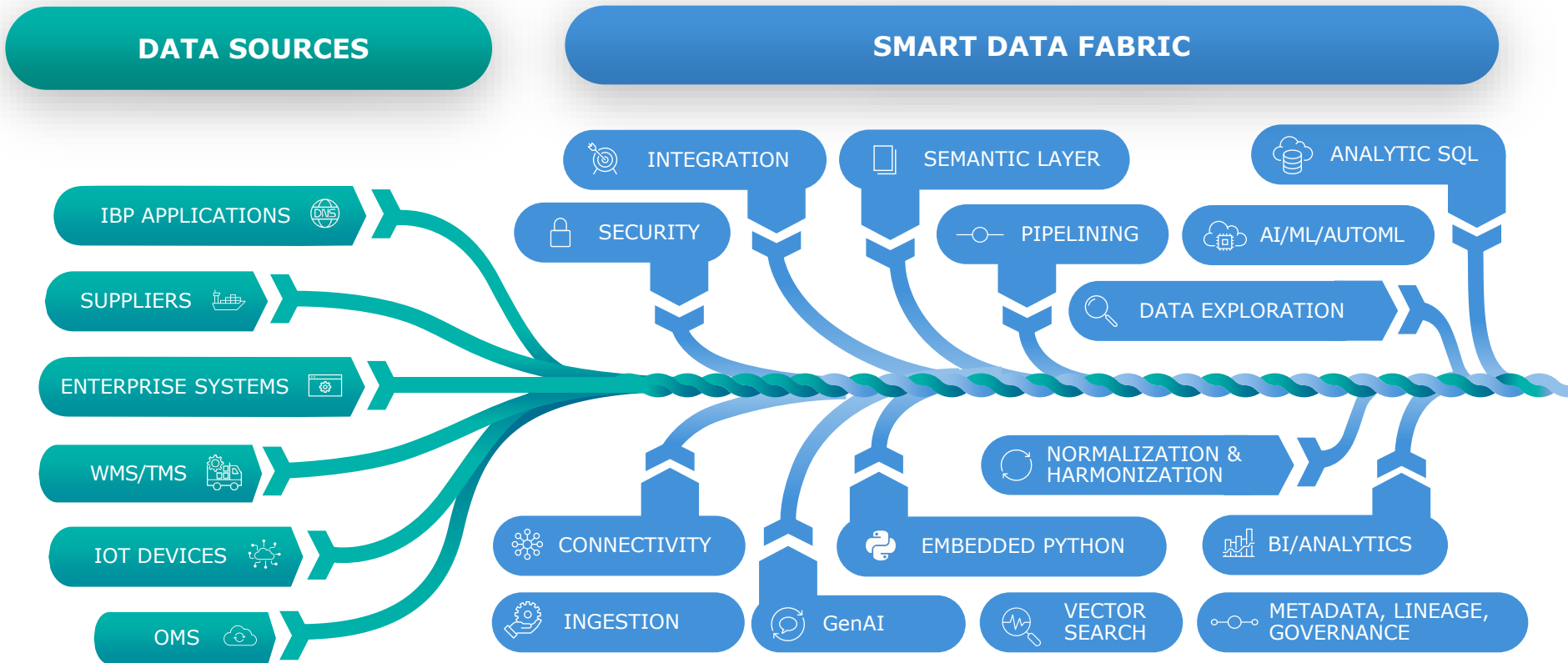
# InterSystems Smart Data Fabric



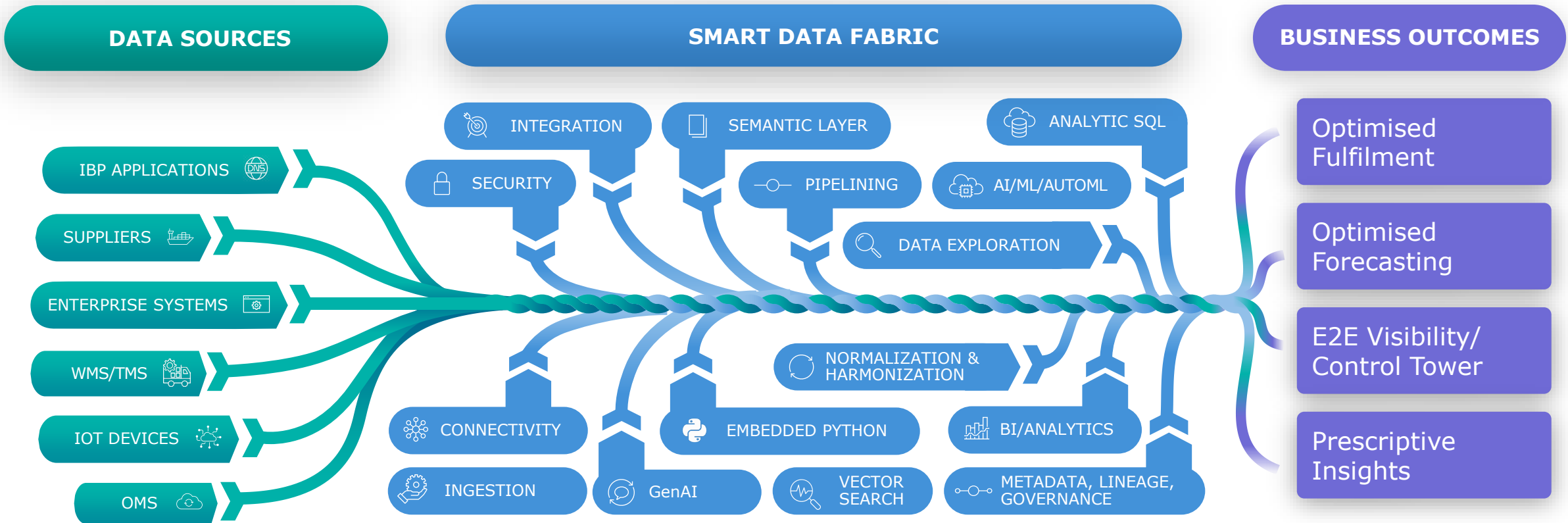
## DATA SOURCES



# InterSystems Smart Data Fabric



# InterSystems Smart Data Fabric





**Utilising data fabrics with four  
embedded technologies, plus AI acting  
as decision intelligence platform  
across your entire supply chain.**

[See More](#)

# InterSystems Supply Chain Orchestrator Differentiation

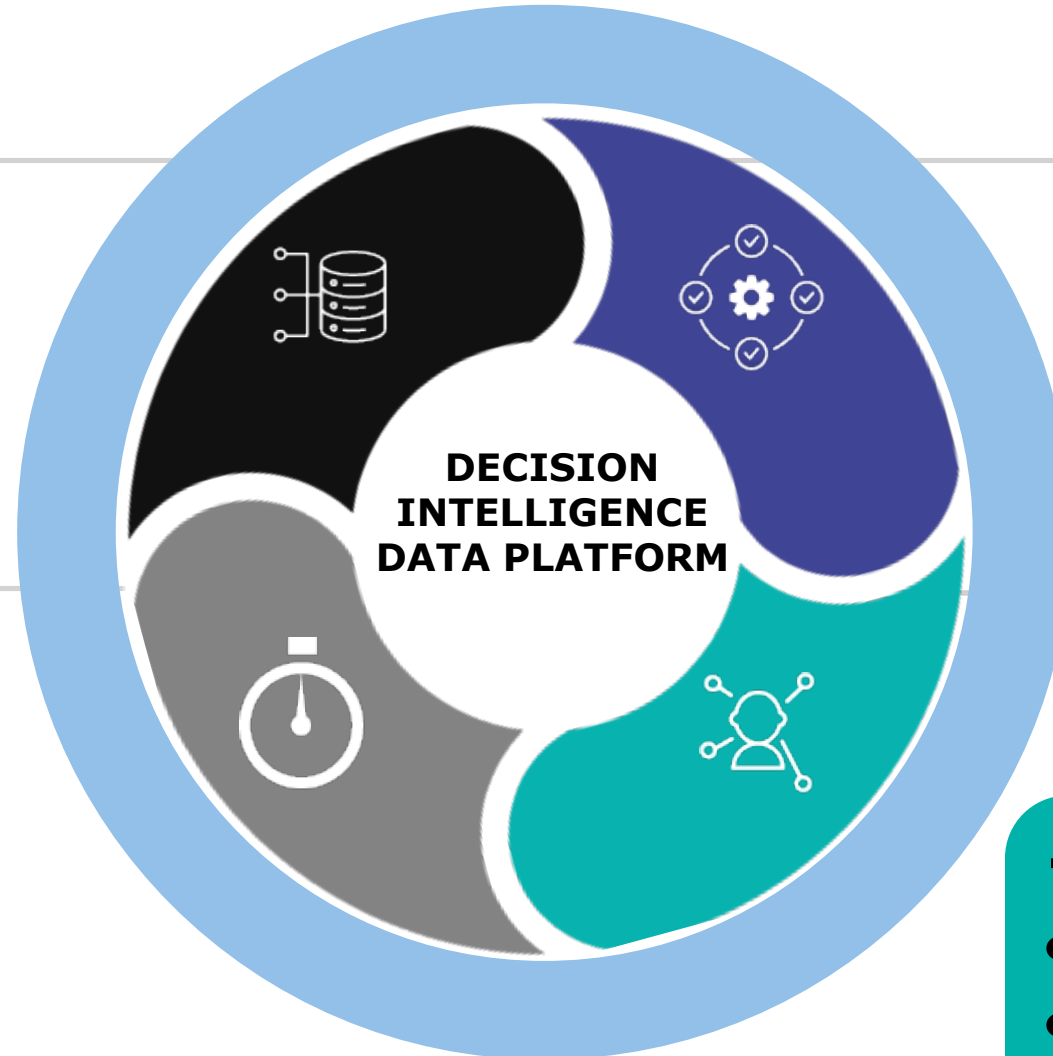


## Consistent Data

MULTI-MODEL DBMS

## Real-Time Data and Analytics

MULTI-WORKLOAD DBMS



## Intelligent Processes

INTEROPERABILITY

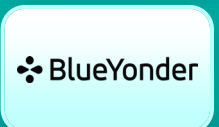
## Actionable Insights

ADVANCED ANALYTICS

## + GenerativeAI

- Copilot
- LLM
- Vector Search

[See More](#)



Stores

Suppliers

3PL's



A powerful **decision intelligence platform** to integrate disparate data and sense disruption and opportunity in real time to support various applications, analytics and provide intelligent prescriptive insights.

**Optimised Production Plans back into existing applications**

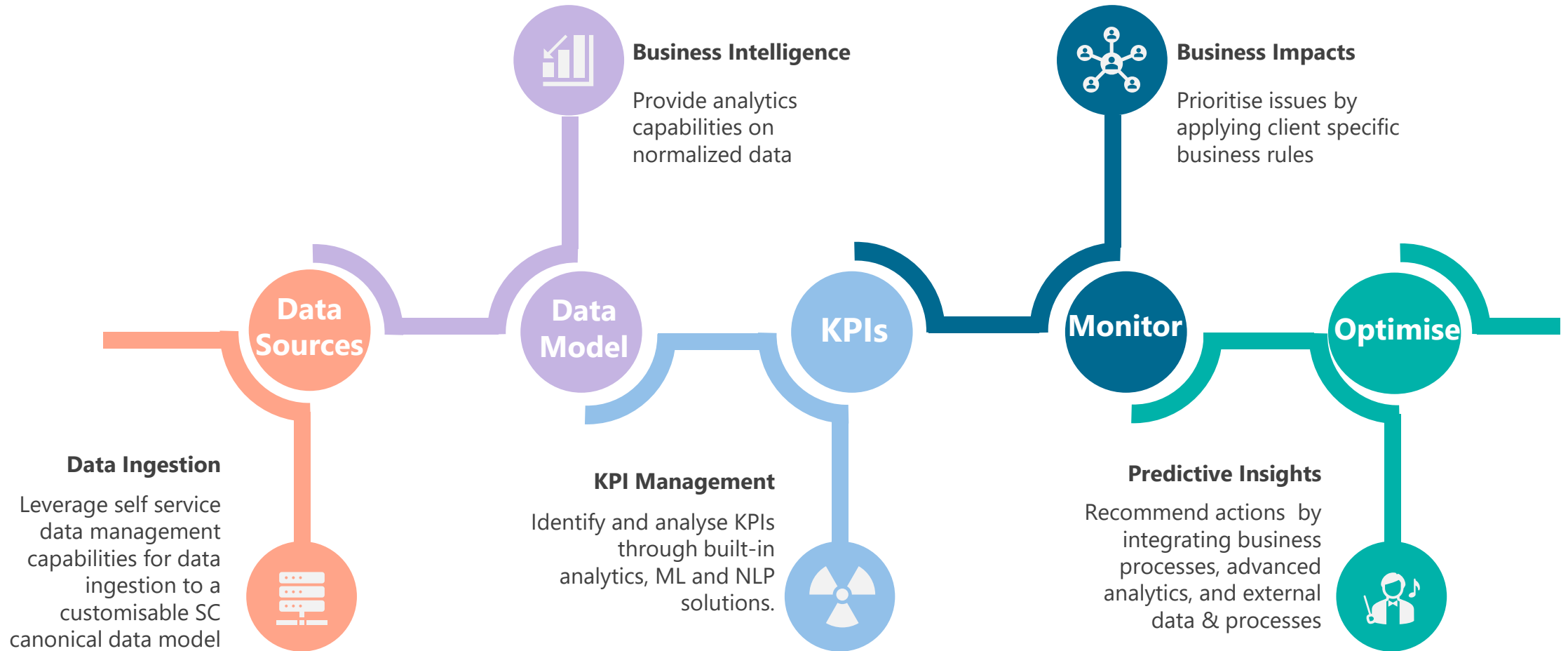
**Optimised Forecast Plans back into Enterprise systems**

**Real-Time Prescriptive insights to prevent future inventory stockouts**

**Optimised decisions for LOB**

**Enable real-time accurate sustainability metrics**

# InterSystems Supply Chain Orchestrator



# Case Study



## OPTIMISED PRODUCTION PLANNING AND FULFILLMENT IN REPACKAGING OPERATIONS



- FMCG North American business unit of a multinational Fortune 100 company
- 6-week POV implementation yielded significant results

### Challenges

- Lacked systems for a supply constrained environment.
- Supply planners manually pulled and processed data extracts to create production plans.
- No unified view of component inventory.

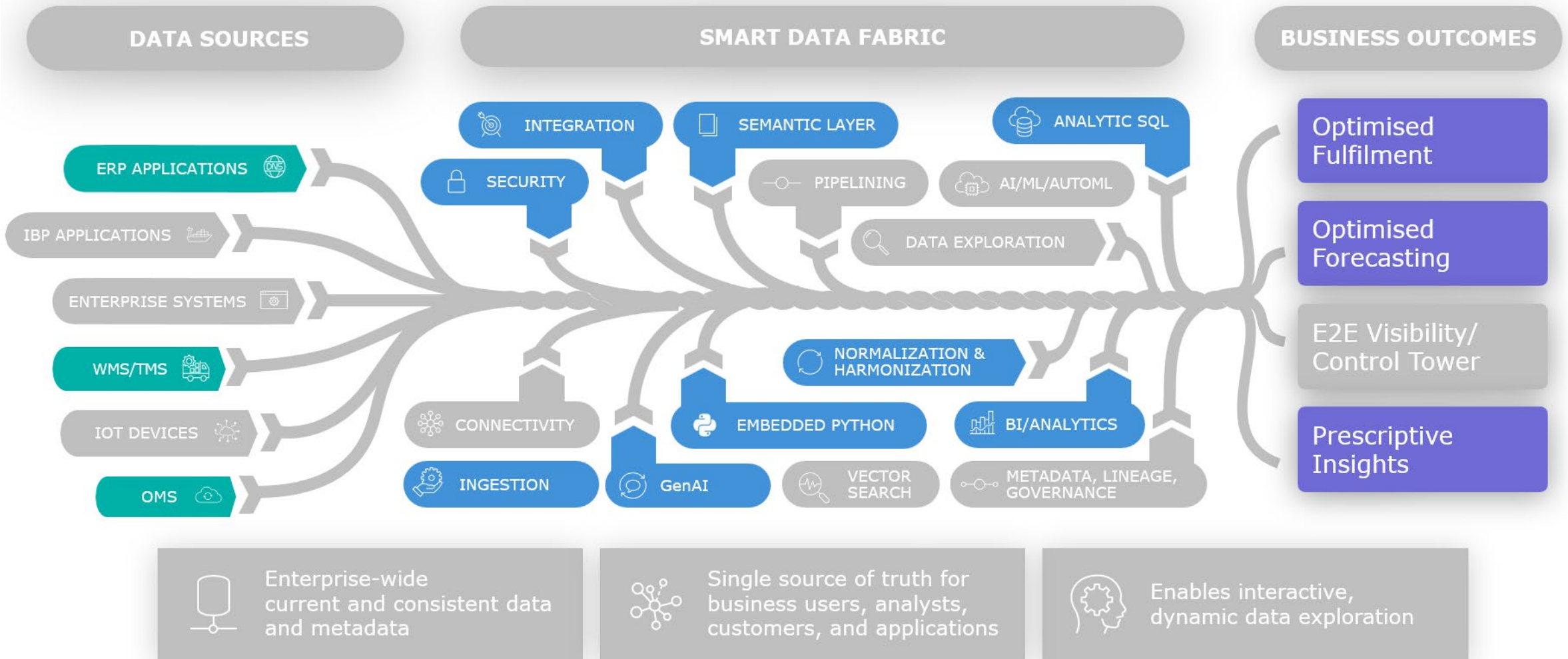
### Key Benefits

- ✓ Automated and optimised component allocation
- ✓ Improved fill rate by 10 points
- ✓ Improved replenishment frequency
- ✓ Transformed work from reactive to proactive
- ✓ Harmonized and normalized data continuously

[Read more customer stories](#)



# Use Case: Production Planning Optimization



# Case Study



## DIGITAL TRANSFORMATION WITH ML-DRIVEN REPLENISHMENT OPTIMISATION



- World's largest food retailer consortium
- 800 promotions per store per week
- 1500 stores



Read Case Study

### Challenges



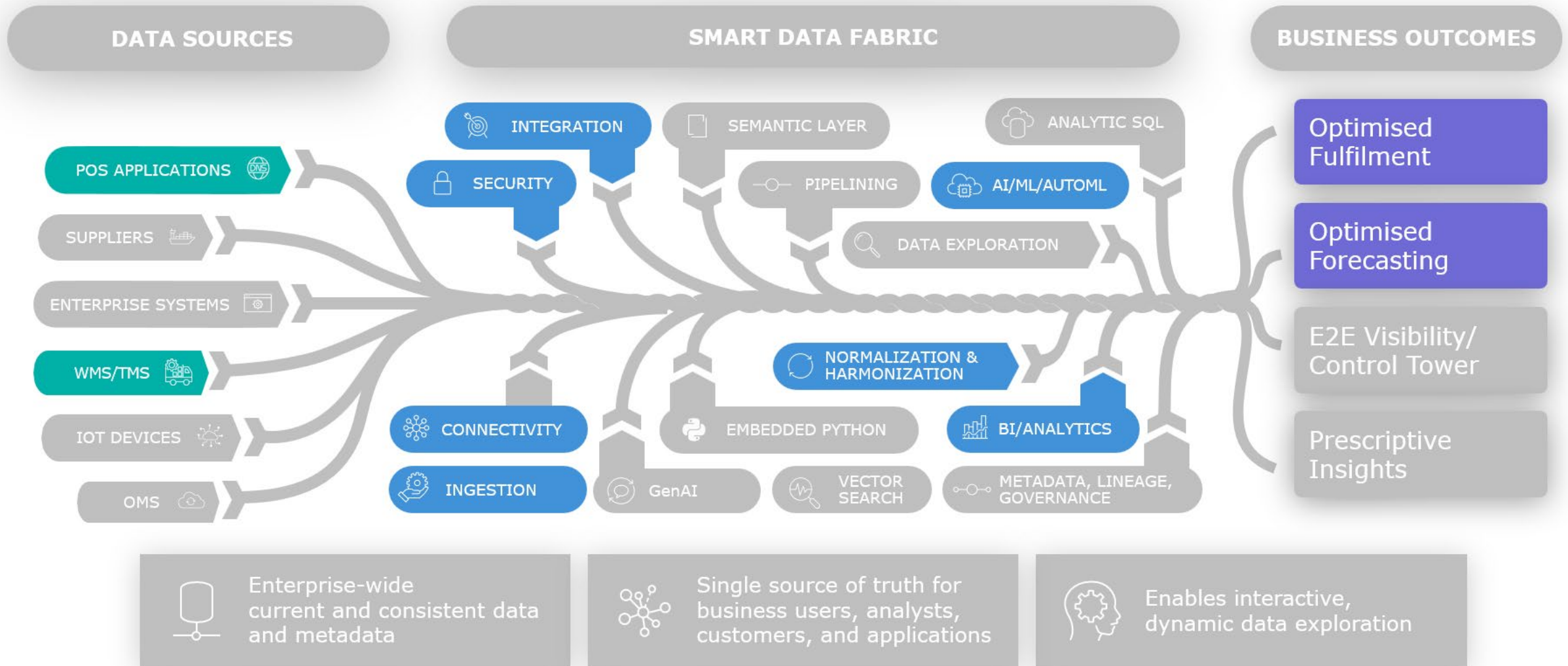
Streamline and optimise end-to-end fulfillment process

### Business Impact



- ✓ Automated optimised replenishment.
- ✓ Real-time sensing of demand shifts using ML to optimise OSA
- ✓ Significantly improved "time to decision"
- ✓ Increased revenue and efficiencies
- ✓ Optimised grocery replenishment application

# Use Case: Replenishment Optimization





**All with a single unified service!**



[Estimate your ROI today](#)

# Thank You Questions?



**LinkedIn**<sup>®</sup>

