

Unified Data for Intelligent Decision-Making

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Senior Supply Chain Advisor

About InterSystems



We Are the Engine Behind the World's Most Important Applications



Global leader in data management, integration, and analytics

Unparalleled performance, scalability, interoperability, and reliability

More than **1,000** enterprise class customers across Supply Chain, FMCG, Retail, Healthcare, Financial Services, and other ecosystems

Pioneered "Smart Data Fabric" approach to managing diverse and distributed data

Private and consistently profitable since **1979**

2023 revenue greater than **\$1 Billion**

HQ: **Cambridge, MA**
39 offices worldwide
1,950 employees

Real-time tracking **20 million+** shipping containers globally

Select Customers in Supply Chain



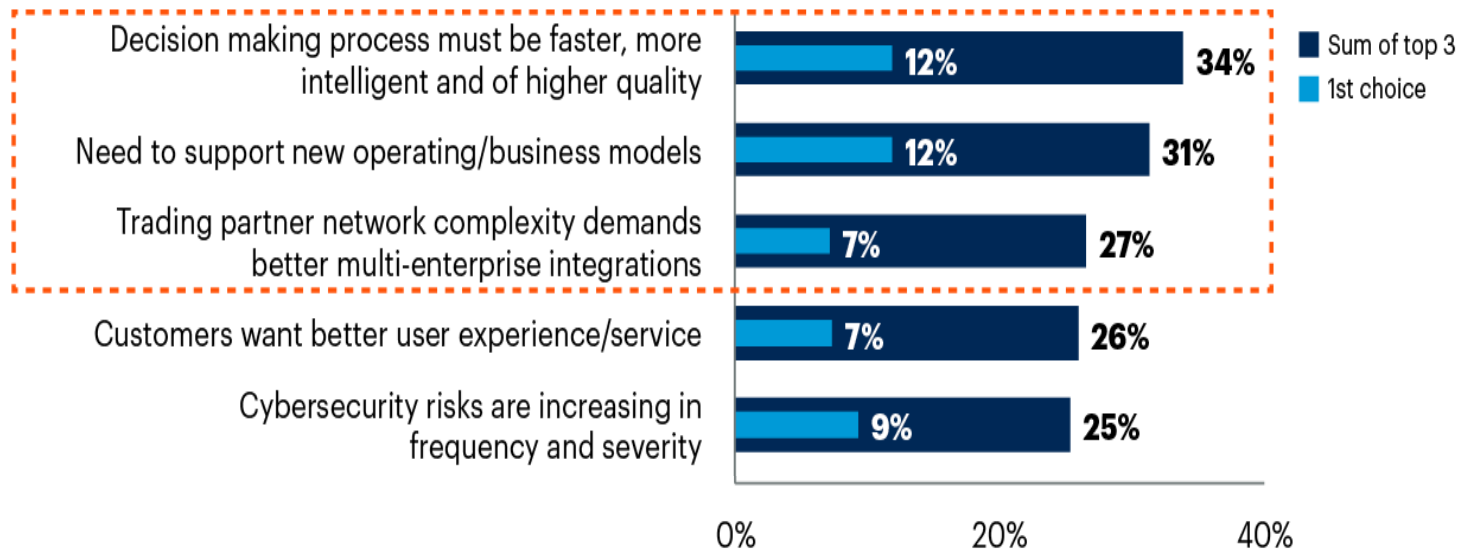
					
					
					
					
					

Top Trends in Supply Chain Technology 2024



Motivating Factors to Invest in Supply Chain Technology

Sum of top 3 ranks and rank 1



n = 505, all respondents excluding don't know

Q: Which of these are the top 3 most important factors motivating your organization to invest in supply chain technology areas over the next 2 years?

Source: 2023 Gartner Supply Chain Technology User Wants and Needs Survey

<https://www.gartner.com/en/newsroom/press-releases/2023-05-10-gartner-reveals-the-top-supply-chain-technology-trends-for-2023>

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“By 2027, data fabric – combined with large language models (LLMs) – will reduce data engineering hours of support by greater than 35%**

Gartner[®]

**Source: Successful Generative AI Projects Require Better Metadata Management

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

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Geopolitical Disruptions



Natural Disasters



Regulatory Changes



Labor Shortages



Supplier Issues



Economic Downturn



Case Study

Optimized Production Planning and Fulfillment in Repackaging Operations



FORTUNE

50

- FMCG North American business unit of a multinational Fortune 50 company
- Within eCommerce business environment
- 6-week POV implementation yielded significant results



Challenges

- Improve fill rate within a constrained environment
- Supply planners manually pulled and processed data extracts to create production plans
- No unified view of component inventory

InterSystems Supply Chain Orchestrator Differentiation



Power your supply chain application ecosystem with four embedded technologies acting as one product lowering total cost of ownership and accelerating time to value.

GenerativeAI

- **Co-Pilot**
- **LLM**
- **Vector Search**

Consistent Data

MULTI-MODEL DBMS

Harmonize and normalize disparate sources and formats—relational, non-relational, streaming, etc.—for consistent and accurate data representation.

Real-Time Data and Analytics

MULTI-WORKLOAD DBMS

Ingest at rest, process and analyze data in real time without delay and at scale, without moving or copying the data for analysis.



Intelligent Processes

INTEROPERABILITY

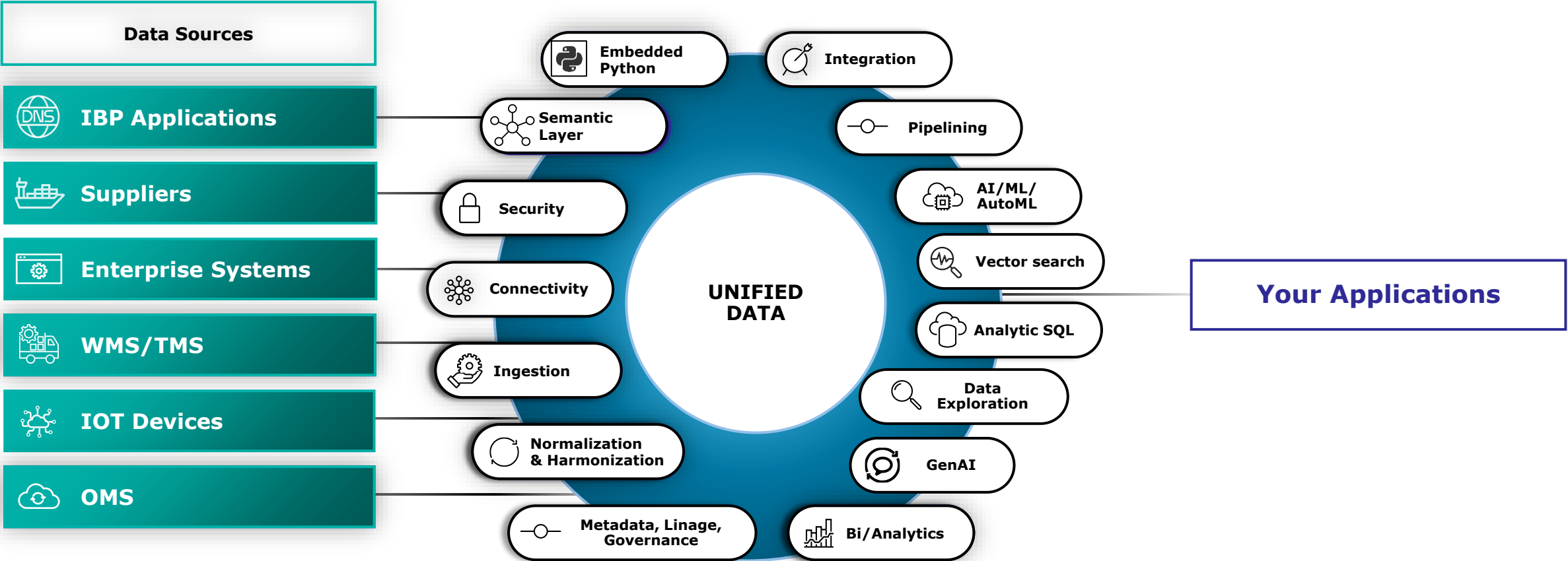
Enable seamless, accurate, connected supply chain orchestration and AI-enabled intelligent business processes.


Actionable Insights


ADVANCED ANALYTICS

Real-time advanced analytics—BI, ML, AI, NLP—for descriptive, predictive and prescriptive insights in the moment.

Architected with our Smart Data Fabric

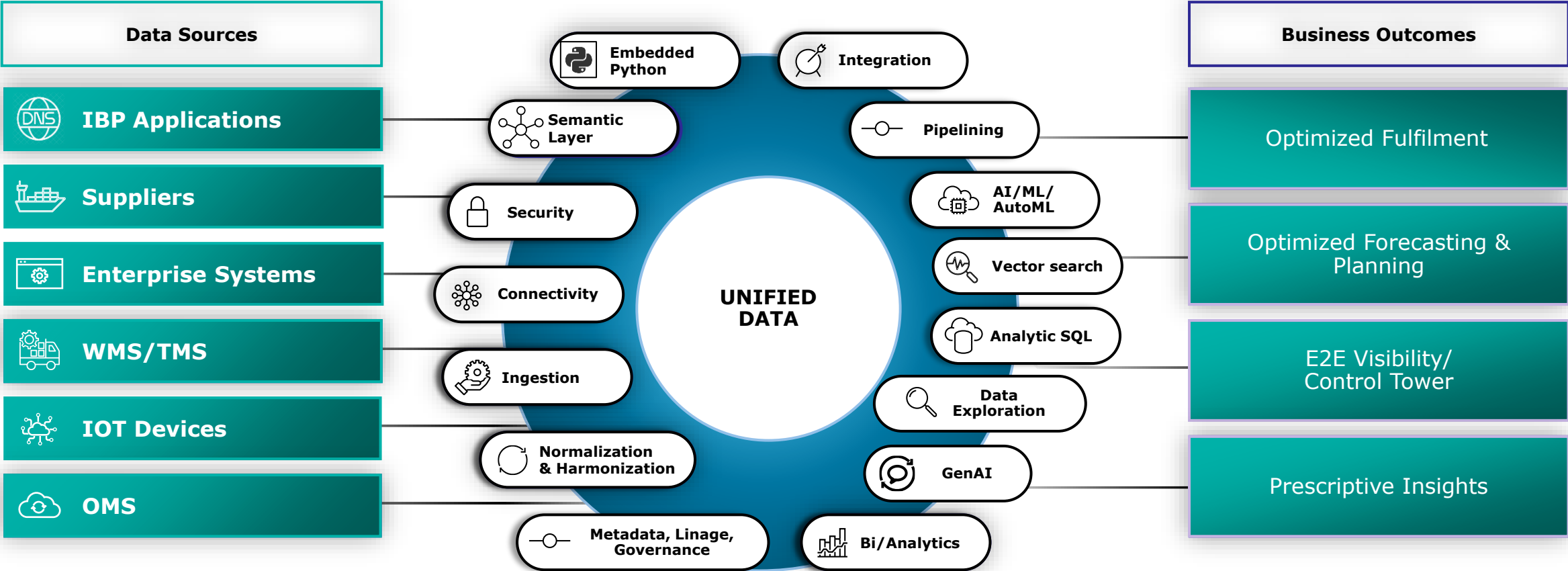



 Enterprise-wide current and consistent data and metadata


 Single source of truth for business users, analysts, customers, and applications

 Enables interactive, dynamic data exploration

Architected with our Smart Data Fabric

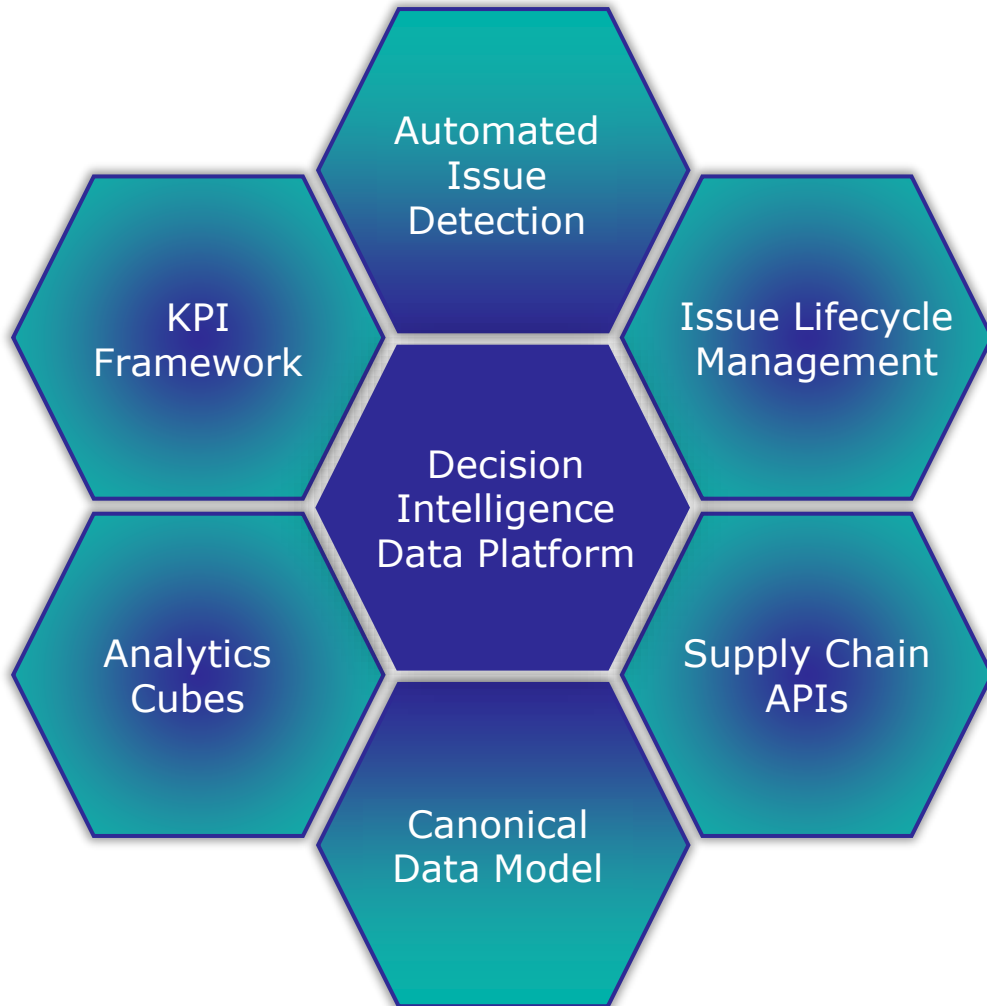







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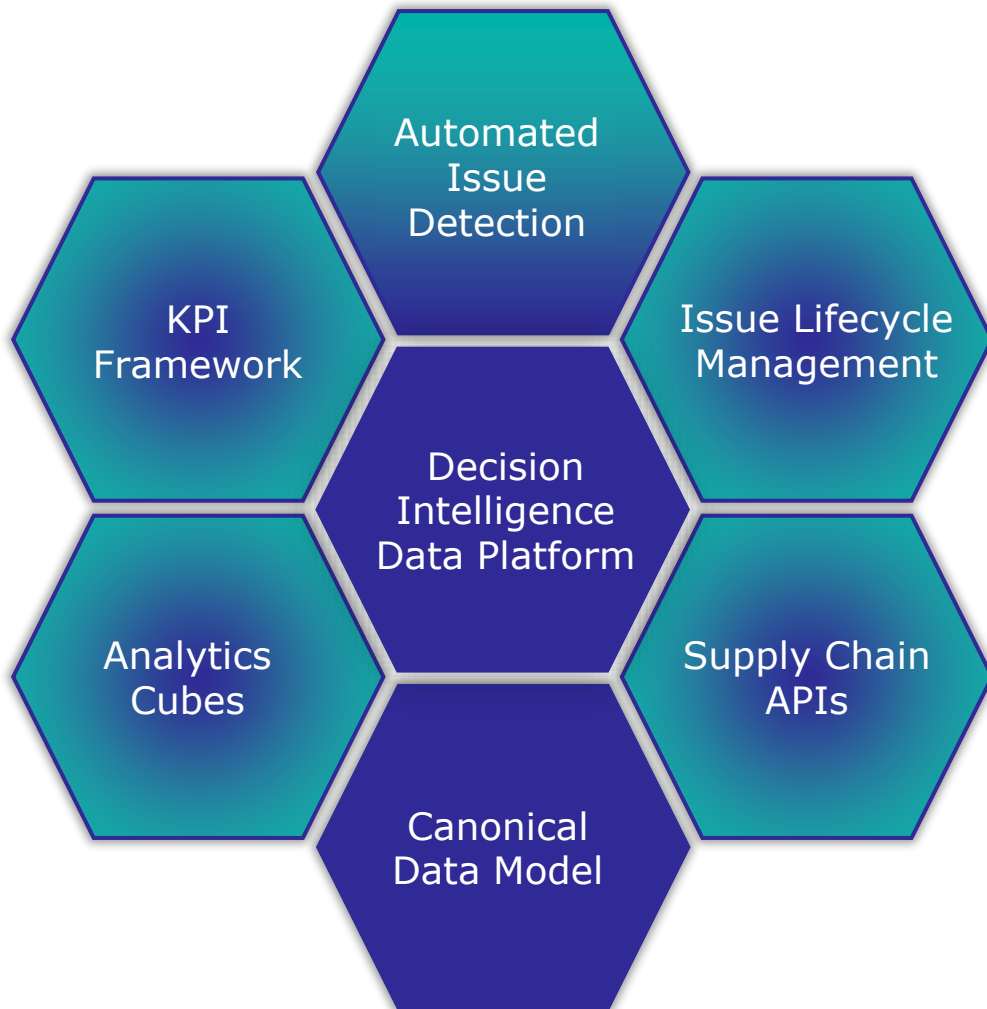
 Enables interactive, dynamic data exploration

InterSystems Supply Chain Orchestrator Supply Chain Accelerators



-  Simplify data staging in customizable supply chain data model with low-code, recipe-based integration.
-  Enrich E2E visibility for harmonized KPI reporting using extensible built-in data cubes.
-  Deploy optimization algorithms within native workflows through embedded BI and ML.
-  Enhance decision intelligence through process automation and GenAI.
-  Reduce the impact of existing technological debt on supply chain innovation.

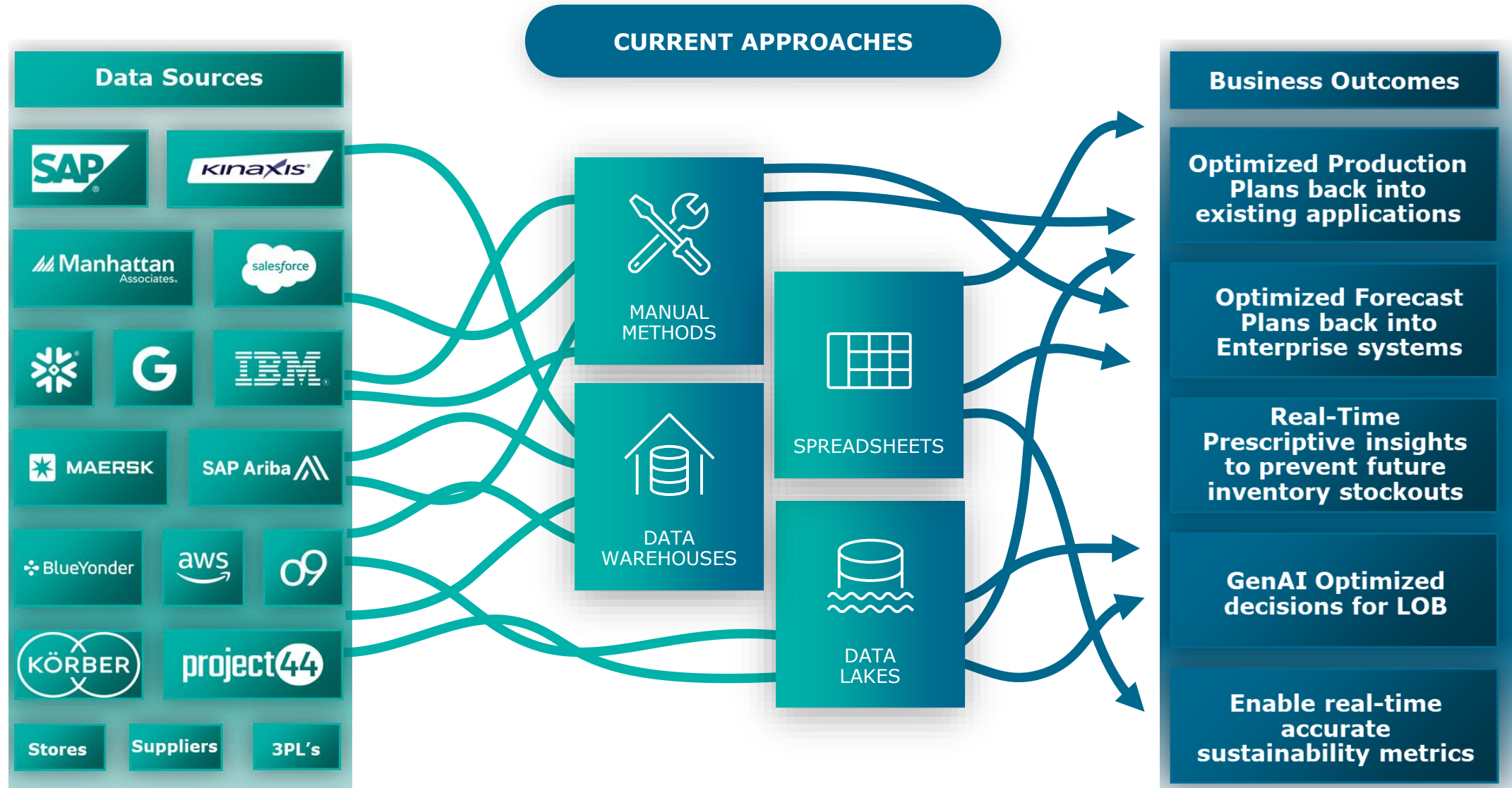
InterSystems Supply Chain Orchestrator Supply Chain Accelerators



Simplify data staging in customizable supply chain data model with low-code, recipe-based integration.

- Common supply chain entities (suppliers, purchase orders, inventories, carriers, etc.)
- Common properties for each entity (dates associated with an order, names and addresses of customers, etc.)
- Relationships between entities (shipment to orders, inventory to products, etc.)
- Keys and indices for each entity object

Challenge: Supply Chain Optimisation



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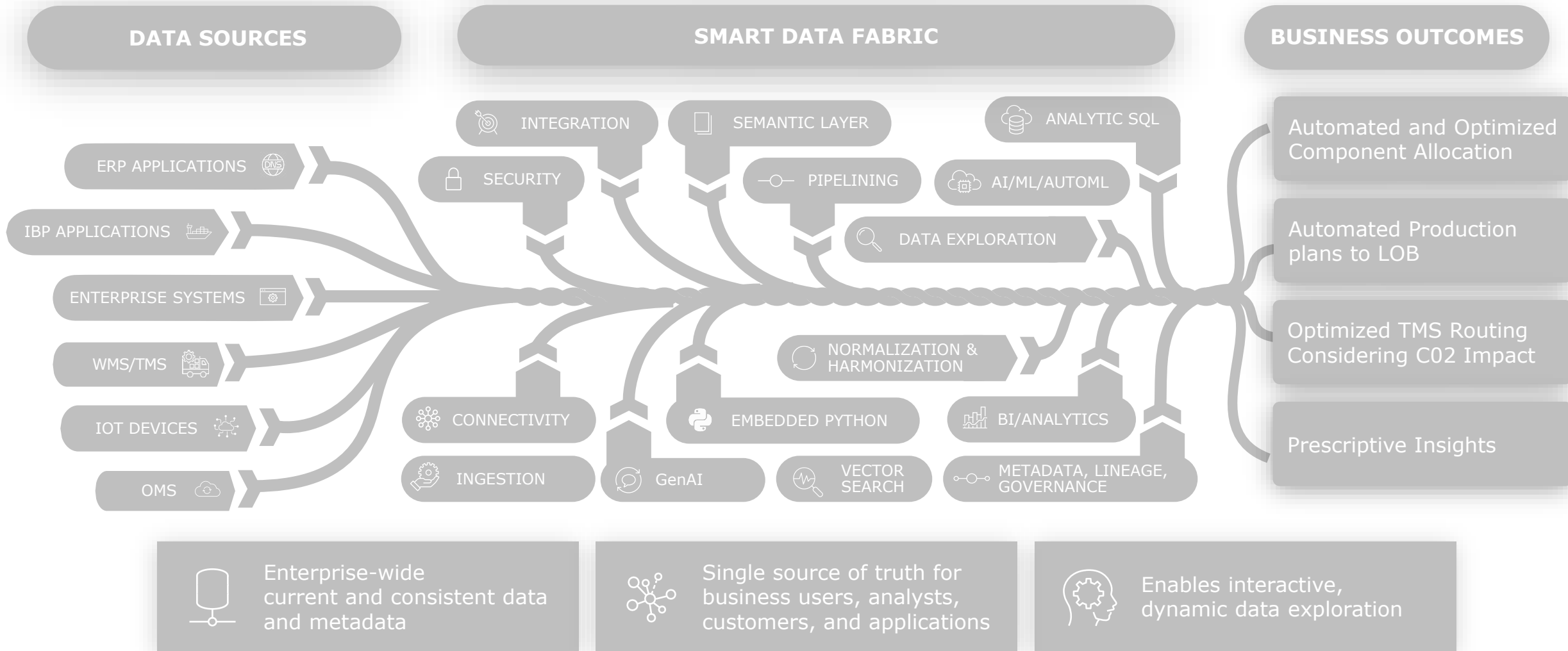
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Business Impact

- Automated and optimized component allocation
- Improved fill rate by 10 points
- Improved Replenishment frequency
- Automated production plans to LOB
- Harmonized and normalized data continuously
- Optimized TMS routing considering CO2 impact
- Moved to a “constrained” model

Use Case: Production Planning Optimisation





Key Take Aways

- InterSystems Supply Chain Orchestrator for consistent unified data
- Super charged problem solving with Data Fabric architecture
- Accelerated business value to LOB with decision intelligence

InterSystems Supply Chain Orchestrator™ is a differentiated supply chain decision intelligence platform with out-of-the-box data integration, ingestion, interoperability, and AI/ML analytics with GenAI as one product.



Thank You

