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Semantic Supply Chain Augmentation

Unlock new outcomes 10X Faster by extending your Legacy, ERP, and SCM! Don't rip out anything!

Unified Commerce Business Optimization System

Gartner

Listed by Gartner as a
Technology Composition
Application Vendor

Semantic Supply Chain Augmentation

What? An agile and adaptive extension to unlock business outcomes 10X faster and smarter

How? Augment your existing ERP and supply chain systems using metadata and semantic capabilities



Bring Common Meaning to Your Business using
English-like Rules, Workflows, Policies and Procedures For
Customer Promise Reliability, Supply Chain Clarity
and Business Agility - 10X Faster and Smarter

No-Code SaaS & PaaS
Zero Code Generation

Why Semantic Supply Chain Augmentation ?

The UCBOS extension delivers supply chain clarity, customer promise reliability, and business agility.

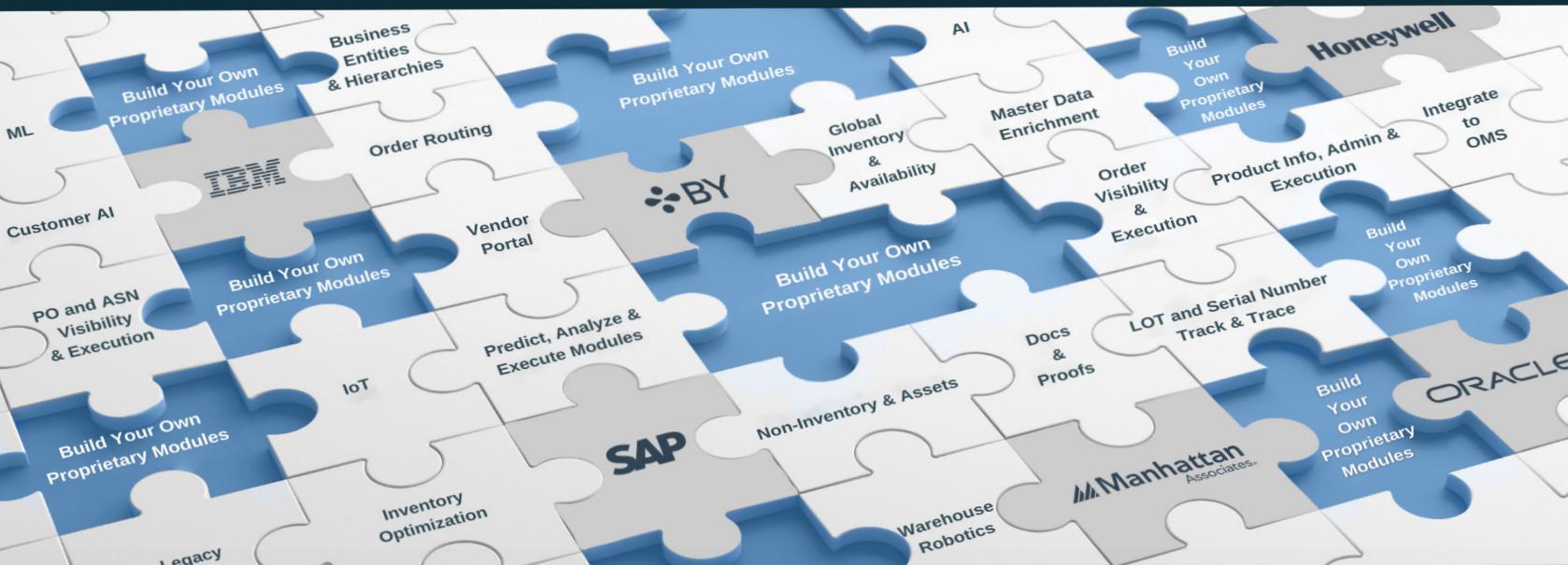
A Supply Chain Ecosystem typically possesses installations of various ERPs, multiple “best of the breed” modules of packaged SCM software, various legacy systems, warehouse automation systems, and 100+ vendor customizations and IT developments.

The “best of the breed” includes multiple vendors like Oracle, SAP, IBM, Manhattan, Blue Yonder, Korber, Infor, Mercury Gate, Coupa, Epicor, Jaggaer and more.

Enterprise modules don't work together and cannot solve problems that are not specific to a module. Each is, by design, tailored to deliver only a predetermined outcome.

Because, enterprises cannot understand external signals and market variabilities, and cannot enforce a common meaning, policy or procedure across the supply chain.

A UCBOS enabled enterprise composes and solves business problem chains across the supply chain using semantics and a dynamic unified logical data model. It produces business outcomes connecting customers, partners, market signals, systems, facilities, IoT, environmental signals, and machines.



Supply Chain Resiliency Barriers

Supply Chain Functions operate in separate, isolated systems. The lack of interoperability and swiftness in data agility stifles innovation and business agility. As a result, enterprises lack capabilities that manage disruptive and unpredictable supply chain challenges.

Constant State of Disruption

Supply Chain is complex and non-linear, which has the attributes to create problem chains. In addition, it is under a constant state of disruption, leaving enterprises scrambling to address dynamic problem chains around customer reliability, capacity crunch, supply & demand imbalances, price inflation, equipment shortages, port congestions, global trade shifts, and weather patterns.

Enterprises are drowning in data but lack supply chain clarity and insights. IT standardizations created bulky integrations missing insights despite using the latest technologies such as API, Microservices, and Data Streaming. There are major barriers around:

Leveraging New Data Sources

- Policies and Procedures
- Market Data
- Buyer Sentiments (social)
- Environmental Signals (weather, pandemic)

Converging Disparate Data

- Structured and Unstructured
- Documents
- IoT and Sensors

Point to Point Integrations Backed by Rigid Schemas and Hardcoded Logic

- Partner Onboarding
- Alternate Business Plan Execution
- What-If Simulation & Execution

By 2023, at least

40%

of recently implemented ERP initiatives will be seen as disappointing projects by business stakeholders
*Gartner



41%

of senior stakeholders cited dealing with legacy technology as their greatest organisational challenge
*Digital Trends Report



75%

of global supply chain leaders faced issues in their production/distribution footprint
*McKinsey



85%

of global supply chain leaders struggled with insufficient digital technologies
*McKinsey

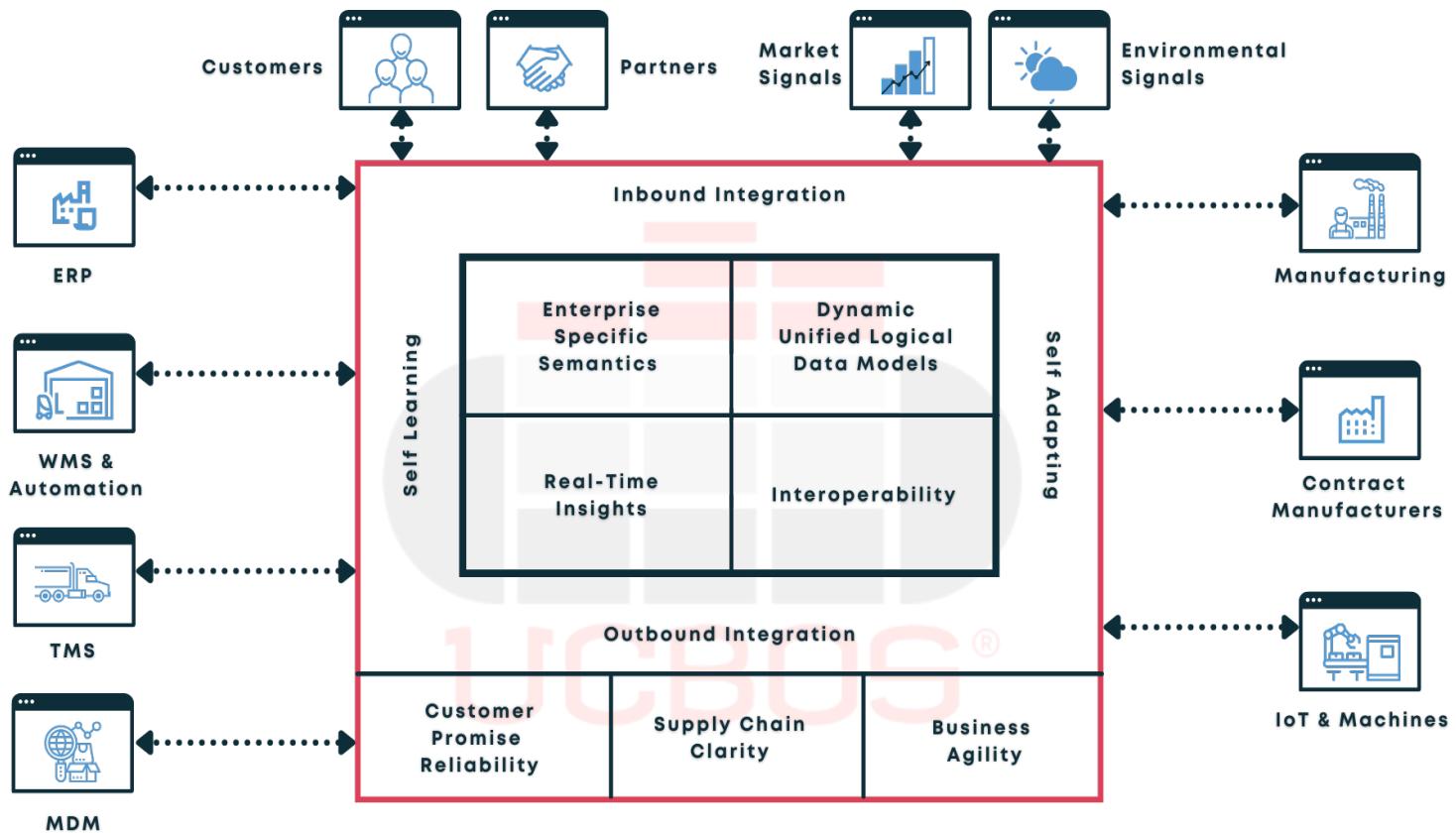


What can a UCBOS enabled enterprise achieve?

Supply Chain Augmentation & Bi-Directional Orchestration

Prediction & Scenario Planning

Semantic-Based Supply Chain Extension



Solution

UCBOS lets you connect current systems without disrupting your ecosystem to deliver the solutions you need. It allows business analysts and other users to configure, automate processes, and leverage user-defined mobile execution frameworks with no code needed to deliver solutions in days or weeks.

Overcome Any Variability 10X Faster

Customer Promise Reliability

- Sourcing Changes to Keep Customer Promise
- Fulfillment Changes to Keep Customer Promises
- “Make” Changes to Keep Customer Promises
- Customer Pick Up Changes to Keep Customer Promises
- First-Mile Changes to Keep Promises
- Redefining Service through IoT

Supply Chain Clarity

- Supply Chain Mapping of the Enterprise, Partners and their Partners
- Handoff Tracking
- Environment Signals Impact on Inventory
- Spoilage Dynamic Re-Allocation and Rerouting
- Heat Exposure Product Impact Rerouting
- Lineage Tracking for Source of Labor
- Inventory Accuracy Real-Time Checks

Business Agility

- Business Mergers & Multi-ERP/SCM Ecosystem Orchestration
- Logistics Collaboration with Businesses Serving the Same Customer
- New Lines of Business during Disruptions
- Market Signal Impact on Procurement Decisions
- Dynamic Appointment Automation
- Dynamic Dock Scheduling
- Rerouting in First-Mile through Dynamic Allocations

ABOUT UCBOS

UCBOS, Inc. is a USA-based business composable technology firm with the mission to augment the supply chain through semantics. Its vision is to let enterprises self-learn, adapt and glorify dynamic logical business data models for interoperability to fast track solutions, and embrace new technologies including AI, ML, and IoT in days or weeks to achieve supply chain clarity, customer promise reliability, and business agility.

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