VCO Systems

MatrixHub

The Operational Intelligence Layer for Your Supply Chain



What is MatrixHub?

MatrixHub is an **operational intelligence and orchestration platform** that connects enterprise systems, business processes, events, and AI. It coordinates work across WMS, TMS, ERP, CRM, and other systems while they remain the systems of record, bringing operational information into a common context for intelligent execution.

Why MatrixHub?

Turn fragmented operational signals into coordinated action.

Connect	Contextualize	Coordinate	Execute
Enterprise systems and operational data	Events, data, and business context	People, processes, applications, and AI	Governed actions across connected systems

The Architecture of Intelligent Operations

MatrixHub combines business process management, integration workflows, and intelligent automation to orchestrate complex operations while maintaining control over execution.

- Event-driven workflows connect applications and trigger actions.
- BPMN processes coordinate decisions, work, and progress.
- System observers capture signals from APIs, EDI, webhooks, databases, and legacy environments.
- Governance controls include approval gates, AI guardrails, procedural controls, and audit history.



Why MatrixHub Matters



One operational layer for people, processes, systems, and AI.

Role-Based Experiences
Tailor views for executives, operations, and support teams.

Natural Language Interaction
Create designs and workflows through natural language.

Knowledge-Driven Intelligence
Bring enterprise knowledge into operational processes with RAG.

AI Agent Connectivity
Enable governed agent-to-agent interactions.

Flexible AI Deployment
Support local and privacy-focused AI models.

Enterprise Portal
Customizable workspace with widgets, maps, alerts, and assistants.

MatrixHub in Action: Example Workflow

A shipment delay triggers MatrixHub to identify affected orders, check warehouse schedules, alert the right team, route a response for approval, update connected systems, and track completion with an audit trail.

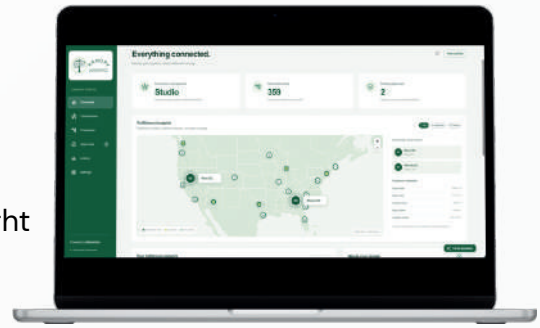


MatrixHub coordinates the workflow across existing systems, with human approval where required and a complete audit trail.

Built for Intelligent Operations

MatrixHub is designed to support organizations looking to:

- Coordinate complex, cross-functional processes
- Connect modern and legacy environments
- Bring AI into operational decisions with appropriate oversight
- Expand intelligent automation across new use cases



Powered by VCO Systems

VCO Systems is a Unified Supply Chain Solutions Partner specializing in automation, consulting, and technology. With deep expertise across enterprise applications and supply chain technologies, VCO helps organizations modernize operations and deliver scalable supply chain solutions.

Get in Touch: www.vcosystems.com

VCO Systems