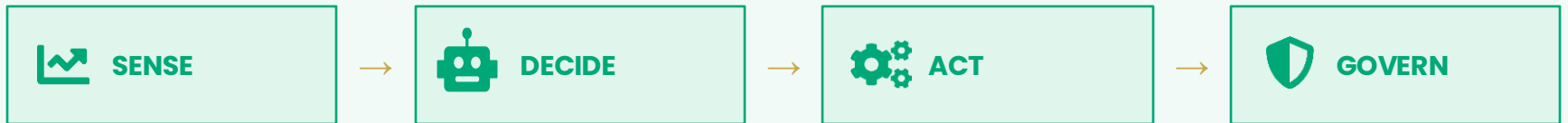


Agentic AI for Manufacturing & Supply Chain

Autonomous Operations for Production, Suppliers & Logistics

From manual coordination → to real-time autonomous execution



Manufacturing is moving from planning → execution intelligence

ERP and planning systems exist – but execution still breaks every day

ERP + PLANNING EXISTS:

- SAP / IBP planning systems
- MES and production systems
- Supplier portals and ERPs



BUT EXECUTION IS STILL:

- Reactive to disruptions
- Manual rescheduling
- Fragmented across teams

Plans exist – execution breaks

What operations teams are living with

Direct from the floor — in their own words

//

Every supplier delay triggers manual rescheduling across 20–30 production orders

OPERATIONS

//

Forecasts are always behind real demand — we're always reacting

SUPPLY CHAIN

//

RFQ cycles take 6 weeks — by the time we award, demand has changed

PROCUREMENT

This is not a planning problem — this is an execution gap

The \$X problem nobody owns

Quantified cost of execution gaps across manufacturing operations

2-3

Days Lost

Per supplier shortage event – manual recovery

8-10%

Savings Lost

Procurement savings left on the table

Weeks

Rescheduling Lag

Manual rescheduling delays production cycles

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Margin Erosion

Inventory mismatch drives markdowns + stockouts

Why ERP + planning tools are not enough

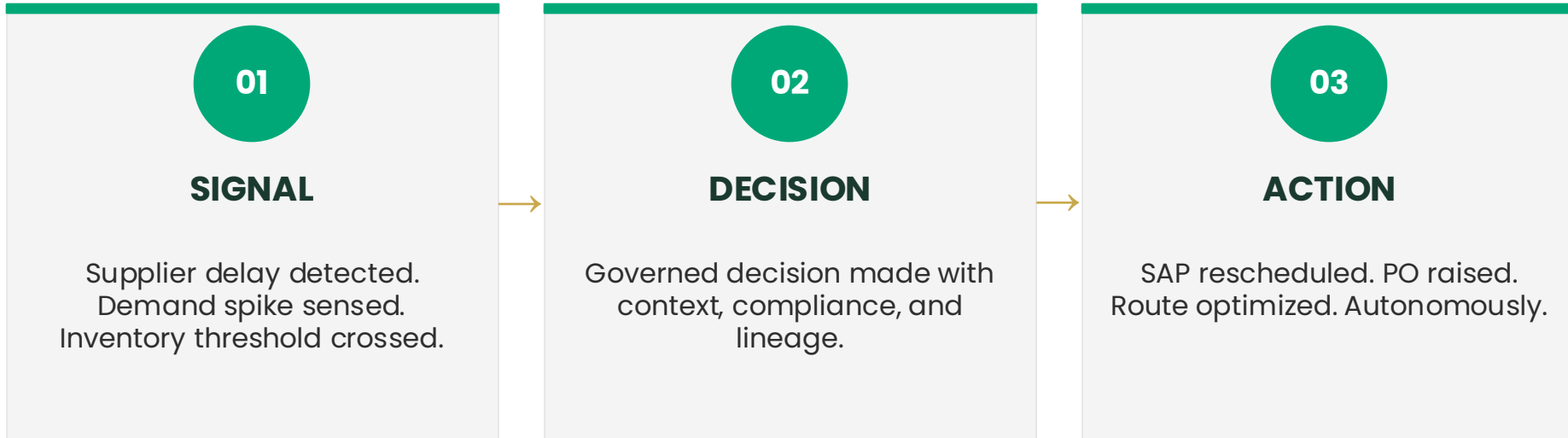
Each system solves one layer – none connect to autonomous execution

SYSTEM	PRIMARY FUNCTION	CRITICAL LIMITATION
SAP / IBP	Enterprise planning and resource management	Planning only – no autonomous execution
Kinaxis / o9	Supply chain optimization and simulation	Optimization only – no real-time action
RPA Tools	Workflow automation and scripting	Brittle workflows – break with change
Excel	Manual tracking and coordination	Manual dependency – not scalable

No system actually acts on signals autonomously

From planning systems → autonomous execution systems

Connecting real-time signals directly to autonomous operational action



Touchless execution across supply chain operations

The Reasoning Infrastructure Stack

Three integrated layers – built for governed, autonomous decisioning

ElixirData

Operational Context

Real-time context: suppliers, production, inventory. Unified signal layer across ERP, IoT, and logistics.



ElixirClaw

Agentic Execution

Autonomous execution: rescheduling, allocation, procurement. Connects to SAP, WMS, and procurement systems.



ElixirHub

Supply Chain Agents

Pre-built agents: SupplyTrace, ProcureAI. Plug-and-play for manufacturing and supply chain operations.

Supplier Risk & Production Scheduling

Autonomous disruption detection and SAP rescheduling

PROBLEM

- Supplier delays cascade into production stops
- Manual rescheduling across 20–30 orders



SOLUTION

- Real-time delay detection across all suppliers
- Autonomous SAP rescheduling and reallocation



OUTCOME

- 2–3 day disruption eliminated
- Production continuity maintained

Demand-Supply Optimization

Real-time forecast refresh with autonomous inventory allocation

PROBLEM

- Forecast lag vs real-time demand signals
- Overstock in one region, stockout in another



SOLUTION

- Real-time demand sensing across channels
- Autonomous inventory allocation by SKU



OUTCOME

- 20% markdown reduction
- Stockouts eliminated

Procurement Decision Automation

Autonomous vendor evaluation from RFQ to award

PROBLEM

- RFQ cycles taking 6 weeks end-to-end
- Tail-spend unmanaged and untracked



SOLUTION

- Autonomous vendor evaluation and scoring
- Decision-driven procurement with audit trail



OUTCOME

- 6 weeks → 1 week cycle time
- 8–10% savings captured

Warehouse & Logistics Optimization

Dynamic routing and real-time dispatch with autonomous slot allocation

PROBLEM

- Static routing ignoring real-time conditions
- Poor warehouse utilization and dispatch delays



SOLUTION

- Dynamic routing with real-time optimization
- Autonomous slot allocation and dispatch



OUTCOME

- 20% capacity recovery
- 15% cost reduction

Supply Chain Traceability (CSDDD Ready)

Tier 1–3 supplier mapping with autonomous compliance workflows

PROBLEM

- No visibility beyond Tier 1 suppliers
- Compliance risk growing under CSDDD



SOLUTION

- Tier 1–3 supplier mapping and monitoring
- Autonomous compliance workflows and reporting



OUTCOME

- Audit-ready supply chain
- CSDDD readiness ahead of deadline

Measurable Operational Outcomes

Quantified results from production manufacturing deployments

Eliminated

Production Disruption

Supplier delays no longer cascade into production stops

↓ **80%**

Procurement Cycles

From 6 weeks to under 1 week, autonomously

20%

Inventory Optimized

Markdown reduction through real-time allocation

Full

Supply Chain Visibility

Tier 1–3 traceability and compliance confidence

Proven Across the Manufacturing Ecosystem

Real deployments delivering measurable operational outcomes

MANUFACTURING

Chicago Industries

IoT integration + real-time anomaly detection across production systems.

LOGISTICS

TYP

Logistics optimization platform with dynamic routing.

CPG / SUPPLY CHAIN

P&G

Global data governance platform for supply chain operations.

CPG

Beam Suntory

Shelf intelligence and supply chain demand sensing.

Fast Time to Value

A structured, time-boxed path from proof-of-concept to full rollout

01**PHASE 01: PILOT****4–6 Weeks**

- Priority use case scoped
- Stack integration completed
- Agents configured
- First outcomes validated

**02****PHASE 02: FULL ROLLOUT****8–12 Weeks**

- All agents deployed
- Compliance layer enabled
- Audit trails live
- Team onboarded

Works with existing SAP, WMS, and ERP environments — no rip and replace

Structured, Predictable Investment

Three clear tiers — aligned to how value is delivered and realized

01**ONE-TIME**

Implementation

Scoping, integration, configuration, and deployment of the decision intelligence platform into your environment.

02**ANNUAL**

Platform License

Full access to ElixirData, ElixirClaw, and ElixirHub — including domain-specific agent packs.

03**ONGOING**

Continuous Intelligence

Model tuning, compliance updates, new agent packs, and dedicated success engineering.

Why not SAP / Kinaxis / o9?

Planning platforms optimize — we execute decisions autonomously

PLATFORM	WHAT THEY DO	WHAT THEY MISS
SAP / IBP	Enterprise resource planning	Plans — doesn't execute autonomously
Kinaxis	Supply chain optimization and simulation	Optimizes — no real-time action layer
o9 Solutions	Demand + supply planning	Forecasts — no execution or governance
XenonStack	Signal → Decision → Autonomous Action	Nothing — this is the complete loop

Planning platforms optimize — XenonStack executes decisions autonomously

Map this to your operations

I can map this to your SAP / supply chain workflows in 15 minutes

I can map this to your SAP / supply chain workflows and identify the highest-ROI entry point in 15 minutes.

No slides. No pitch. Just a direct mapping of your pain to our architecture.

BOOK YOUR 15-MINUTE SESSION →

Where does execution break today?

Pick your biggest operational pain – we'll start there

01

Supplier Delays

Manual rescheduling
cascading into
production disruptions
every week

02

Forecast Accuracy

Always behind real
demand – reacting
instead of anticipating

03

Procurement Cycles

6-week RFQ cycles
slowing sourcing and
losing savings

04

Logistics Inefficiency

Static routing and poor
warehouse utilization
costing margin

Strategic Cloud & Technology Partnerships

Deep integrations across cloud, data, and enterprise platforms



AWS



Microsoft Azure



Snowflake








Databricks




ServiceNow

AWS ADVANCED TIER PARTNER

-  4 AWS Competencies: DevOps, ML, Cloud Ops, Data & Analytics
-  AWS Managed Service Provider
-  Amazon Kinesis Delivery Validation
-  50+ AWS Certifications
-  20+ Customer Launches

MULTI-CLOUD MARKETPLACE

 **80+** Solutions on AWS Marketplace

 **30+** Solutions on Azure Marketplace

Enterprise-ready · Accelerated procurement

WHAT THIS MEANS FOR CO-SELL:



Faster enterprise deal closure



Pre-integrated cloud ecosystems



Drives cloud consumption



Scalable AI transformation

From manual coordination → to autonomous operations

Agentic AI for Manufacturing & Supply Chain – XenonStack

Ready to map this to your operations? Let's talk.