Velotic



AI is Ready. Are Your Operations Set Up for Success?

AI doesn't fail because of algorithms—it fails because execution isn't coordinated. As organizations scale, disconnected work, siloed data, and delayed insights prevent AI from delivering a lasting operational impact.

Why Operations Break Down as Organizations Scale

Even with the right systems in place, operations break down when execution isn't coordinated.

Where the cracks appear:

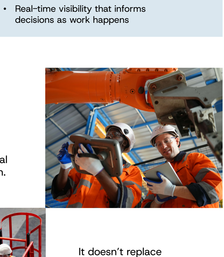
- Manual processes and tribal knowledge limit consistency
- Processes that vary from plant to plant, line to line, or team to team
- Siloed data reduces trust and usability
- Insights don't drive action (or arrive too late)

What it really costs:

- Initiatives stall beyond pilots
- Costs rise and quality drops
- AI remains disconnected from execution

AI can't scale on fragmented execution.

What's missing isn't new algorithms—it's a way to connect execution across the enterprise.



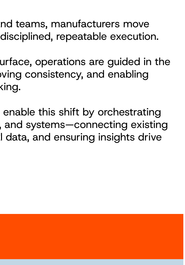
What it Actually Takes to Scale AI

AI isn't limited by algorithms—it's limited by how work actually gets done. True AI readiness depends on coordination across three critical elements:

Data You Can Act On	• Clean, contextualized data unified across systems • Accessible to the people and processes that rely on it • Consistent across lines, shifts, and sites
Work That's Guided, Not Improvised	• Work is connected across people, processes, and systems • Execution that is consistent—not dependent on manual workarounds • Standardized processes that scale beyond a single line or plant
Embedded Insights	• Intelligence delivered in the moment of execution • Insights that drive action • Real-time visibility that informs decisions as work happens

Orchestration: The Missing Link

Orchestration connects people, processes, and systems—turning operational data into coordinated action.





It doesn't replace existing systems. Instead, it **wraps, extends,** and **connects** them, enabling consistent execution across the shop floor.

What Changes When Execution is Coordinated

Disconnected, Reactive Execution

- Issues identified after the shift is over
- Manual coordination across teams
- Inconsistent execution across lines and sites
- Limited visibility into performance

Orchestrated Execution

- Actions guided in the moment of execution
- Real-time visibility across operations
- Standardized, repeatable processes at scale
- Data that drives immediate decisions

With orchestration, operations shift from fragmented work to coordinated execution. Data becomes usable, work becomes consistent, and insights drive action when it matters most.

With coordination across systems and teams, manufacturers move beyond reactive firefighting toward disciplined, repeatable execution.

Instead of responding after issues surface, operations are guided in the moment—reducing variability, improving consistency, and enabling faster, more confident decision-making.

Robust IoT solutions like ThingWorx enable this shift by orchestrating execution across people, processes, and systems—connecting existing systems, contextualizing operational data, and ensuring insights drive action as work happens.

Outcomes:

25%	reduction in scrap
10%	reduction in operational costs
30%	reduction in unplanned downtime
40%	increase in worker productivity

Stronger foundation for scalable, data-driven execution

Learn how IoT, AI, and real-time analytics enable smarter decisions, automated compliance, and continuous improvement across the value chain.

Discover what digital transformation delivers