

# Your AI Enablement Partner



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## AI-DRIVEN SOLUTIONS AND SERVICES

### AI Solutions That Deliver Results

AI is a powerful tool for enhancing your operations — if it is implemented and managed effectively.

**You are under pressure** to produce more with fewer resources, improve quality and compliance, and maintain uptime across increasingly complex operations. Artificial Intelligence (AI) is now a practical tool to achieve these goals — when built on the right data foundation and integrated seamlessly into production systems.

At InflexionPoint we help you unlock the value of AI by combining our deep expertise in Automation & Controls, MES/MOM, Analytics, IT-OT Infrastructure, and Managed Services to deliver AI that works alongside your team — securely, reliably, and at scale — across your operation, including:



#### Operational Excellence

- Predictive maintenance and equipment health monitoring
- AI-driven OEE improvement
- Process optimization for throughput, cycle time, and energy consumption



#### Quality & Compliance

- Machine vision inspection for real-time defect detection
- Batch quality prediction and yield optimization
- Automated documentation and regulatory support



#### Workforce Productivity

- AI copilots with knowledge retrieval from SOPs, manuals, and historical records
- Intelligent troubleshooting guides and dynamic work instructions



#### Connected, Safer Operations

- AI-driven anomaly detection for OT cybersecurity
- Smarter scheduling, inventory, and supply chain insights
- Edge AI supporting faster decisions at the machine level

#### AI: An Intelligent, Steadfast Assistant, Not a Magic Bullet

AI transforms your operations by assisting your team as an intelligent, steadfast operating partner. AI does not fix broken processes or work well without proper instruction and training. Key questions to ask before implementing AI:

- Do we have well documented processes?
- Have we identified practical use cases for AI?
- Do we have the networking infrastructure to support AI?
- Can we provide properly formatted data for AI to access?
- Do we have an AI training program for our people?

## Why Manufacturers Choose InflexionPoint

- Deep OT expertise: We understand automation, controls, and the realities of the plant floor.
- Full-stack integration: From sensors to cloud to MES, we make data and AI flow where it matters.
- Vendor-agnostic: We work across major platforms (Rockwell, Siemens, Aveva, Ignition, etc.)
- Proven ROI focus: AI is aligned to measurable outcomes—uptime, yield, throughput, safety.
- Ongoing support: Our Managed OT Services ensure AI remains reliable and production-ready.

### Accelerate Your AI Journey

Whether you're exploring predictive maintenance, deploying a machine vision system, or building a scalable AI strategy, we deliver solutions that drive real operational results. Let's discuss how AI can improve your operations today.



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## AI Design-Build-Manage Services from InflexionPoint

At InflexionPoint, we design, build and manage industrial-grade automation, intelligence, and AI solutions for some of the world's most demanding environments. Our broad and deep skill set positions us perfectly as an effective operating partner to companies that want to maximize their investments in AI without significantly reshaping their current team or structure.

### 1. AI Readiness & Strategy

- AI maturity assessments
- Roadmaps, governance, and business-case development
- Data engineering and architecture planning

### 2. Data Integration & Infrastructure

- OT data aggregation (PLC, SCADA, MES, Historian, ERP)
- Time-series pipelines and contextualization (ISA-95/88)
- Edge-to-cloud architectures for industrial AI

### 3. Industrial AI Solutions

- Predictive maintenance and asset health models
- Machine vision systems for automated quality
- Process optimization and energy intelligence
- LLM-based operator and technician assistants

### 4. AI Integration into Production Systems

- MES workflows enhanced with predictive and prescriptive intelligence
- SCADA/HMI alerts, dashboards, and guided actions
- Edge inferencing integrated with control systems

### 5. Managed AI + OT Services

- AI-enabled monitoring of OT assets and networks
- Model performance management and continuous improvement
- Insight dashboards with real-time operational recommendations