

IRIS Foundry: Industrial AI that knows your plant

From disconnected plant data to safer, connected, more efficient operations — powered by IRIS Foundry, IRIS Flows, IRIS Forge, and our Industrial LLM.

! The problem

Industrial operations struggle with disconnected systems and lack of data context, leading to costly inefficiencies and missed opportunities.



Data silos and fragmented systems create blind spots, leading to unplanned downtime and lost productivity.



Inaccessible and unstructured OT/IT data turns alerts into noise, not action: scattered signals lead to late detection, alarm floods, and slow triage/RCA.



Without context, slow signal-to-action delays work orders and escalations, increasing safety, compliance, and operational risks.

Outcomes at a glance

- Root-cause analysis time cut from **24–48 hours to under 10 minutes**
- Work-order queue time reduced from **6–8 hours to under 15 minutes**
- Major unplanned downtime events reduced from **1–2 per year to less than 1 annually**

Time to value: first line live in weeks using IRIS Foundry's prebuilt onboarding templates.

✓ The answer

SymphonyAI IRIS Foundry unifies your plant data with prebuilt asset and performance templates, detects issues early, and — together with IRIS Flows — automates core tasks across industrial operations.



IRIS Foundry creates one governed data foundation with prebuilt asset and performance templates and predictive models, so everyone works from the same live picture.



IRIS Forge converts natural-language prompts into secure, enterprise-grade applications on top of your trusted IRIS Foundry data foundation, cutting build cycles from months to hours/days.



IRIS Flows is an AI agent builder — create or adapt agents (with hundreds of prebuilt options), connect them into workflows, and automate core actions.

The IRIS advantage: Accelerated ROI, at enterprise scale

IRIS Foundry contextualizes and organizes your plant data for scalable insights and future-ready AI applications, building a foundation for continuous improvement.

How it works



Connect and contextualize:

Bring plant data from control systems and business systems into one organized view using IRIS Foundry; then automatically build a relationship map of assets and processes so AI understands your operations.



Analyze and predict: Apply predictive and prescriptive analytics with industrial models to surface risks, root causes, and next-best actions.



Orchestrate and automate:

Use IRIS Flows' AI agent builder to compose and deploy agents, connect them into multi-step workflows with human-in-the-loop, and auto-route tasks and approvals.



Engage in the flow of work:

Expose insights and actions directly inside your collaboration tool of choice, including Teams and Microsoft 365 via MCP for secure, auditable execution.

Platform components



IRIS Foundry: Industrial

DataOps platform with prebuilt asset templates for your organized view, shared terminologies, and relationship map, plus connectors into plant engineering and business systems — so you don't start from scratch.



IRIS Flows: AI agent builder for industrial operations: design agents with low-code or natural language, start fast with hundreds of prebuilt agents, and orchestrate multi-agent workflows with governance and human-in-the-loop.



IRIS Forge: Studio to build intuitive dashboards, apps, and role-based copilots quickly.



Industrial LLM: AI model tuned to manufacturing that explains, recommends, and answers in plain language.

Why SymphonyAI for industrial?

- **Proven scale:** 3PB/year of industrial automation data processed across deployments
- **Contextualized AI:** Industrial LLM and role-based copilots tuned for manufacturing personas
- **Accelerated value:** Fast onboarding, flexible deployment, and blended models for actionable insights.

What's at risk if you wait?

With first value in weeks, waiting only compounds downtime, scrap, and energy waste — while faster adopters lock in a lasting speed and margin edge.

[Learn more](#)