

Solving Utilities challenges with IRIS Foundry

From substation to control room—IRIS gives utilities a governed foundation to unify OT/IT data, explain every action, and prove compliance for regulators.

! The problem

Utility operations struggle with:



Regulatory oversight from NERC, PHMSA, state commissions, and the EPA demands explainable, auditable AI, not a black box



Manual, paper-based inspections and fragmented SCADA, GIS, EHS, and maintenance data slow compliance reporting



Reliability metrics like SAIDI and SAIFI stay under pressure from substation failures, wildfire risk, and vegetation encroachment

✓ The answer

IRIS turns utility data into governed action:



IRIS Foundry: unifies SCADA, GIS, EHS, and maintenance data into one governed foundation with full lineage and audit trail



IRIS Forge: builds inspection, reporting, and compliance apps from a plain-language description, with no custom development required



IRIS Flows: agentic execution for compliance and safety workflows — incident response, inspection routing, and reporting, with human-in-the-loop

Outcomes at a glance

- Avoided outages: early anomaly detection on critical assets helps prevent costly unplanned failures
- Ready to deploy: IRIS Foundry and Flows include **300+ prebuilt industrial agents**
- Efficiency: digital inspections cut **walkdown time 30%**, with a full audit trail

Time to value: first production value in 12 weeks using IRIS Foundry's prebuilt templates.

The IRIS advantage: accelerated ROI, at enterprise scale

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

How it works



Connect and contextualize:

Bring operational data 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 OT and enterprise 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?

Waiting compounds downtime and compliance risk, while early adopters gain a lasting edge..

[Learn more](#)