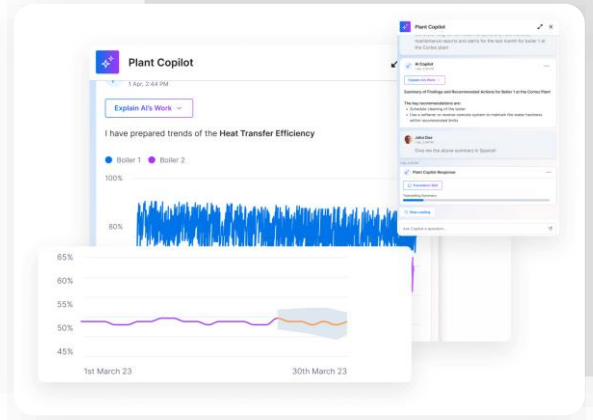# IRIS Copilot

Generative AI for manufacturing: Enhancing efficiency and improving operations with industrial copilots
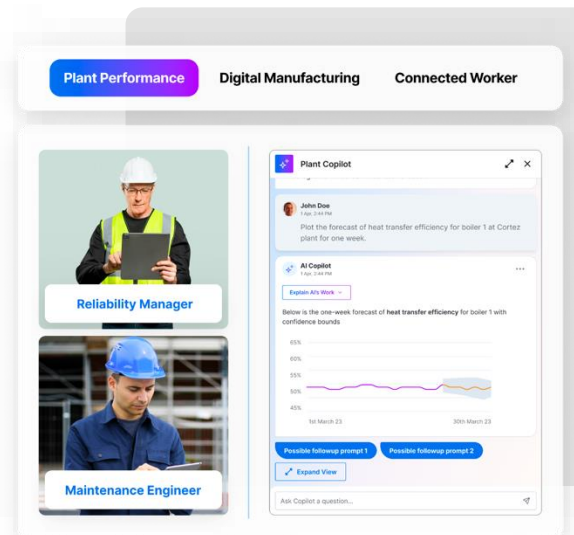
In an increasingly competitive and rapidly evolving industrial landscape, organizations must leverage cutting- edge technologies to stay ahead of the curve. SymphonyAI is at the forefront of incorporating Generative AI into industrial workflows to transform industries and deliver exceptional value. By integrating generative AI into existing workflows, industrial organizations can further drive innovation, optimize operations, cut costs, improve quality, and exceed customer expectations.

Based on the specific needs of various industrial personas, the IRIS copilot is built with industrial-specific skills for Plant Performance, Digital Manufacturing and Connected Workers. IRIS copilot uses SymphonyAI's Industrial large language model (LLMs) and natural language to help factory operators, engineers, and managers improve efficiency, prevent downtime and provide an always on assistant for critical tasks.

IRIS Copilot for predictive asset intelligence

Empower reliability managers and maintenance engineers with advanced technology at their fingertips. Providing users with valuable assistance and insights into:
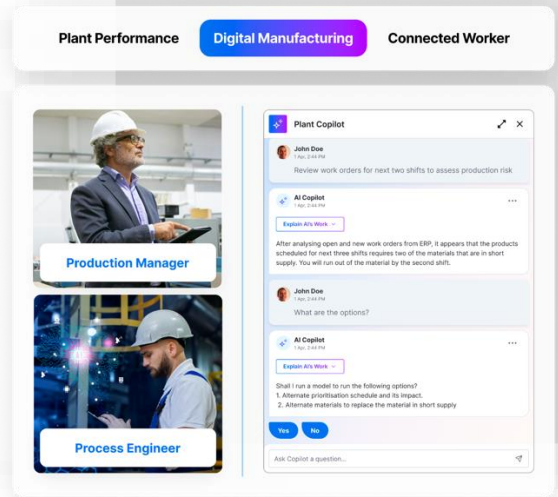
- Asset and process health
- Root cause analysis
- Recommended actions
- Failure mode and effects analysis (FMEA)
- Comparative analysis
- Trend forecasting

IRIS Copilot for manufacturing workflow intelligence

Unlock the potential of manufacturing operations by seamlessly tying workflow, production, and sensor data together. The IRIS Copilot offers invaluable insights to empower production managers and process engineers on:
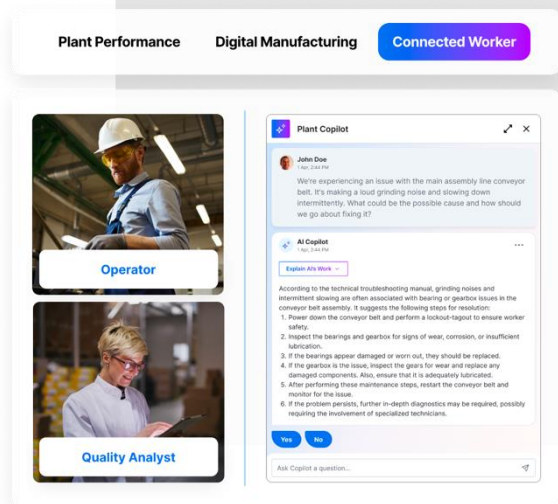
- Production bottlenecks
- Optimization opportunities
- Inventory risk assessments
- Quality control

IRIS Copilot for connected frontline worker

Streamline inspections, reduce rework, and empower technicians with all necessary information to ensure smoother operations. The IRIS Copilot enables operators and quality analysts by providing:

- Insights into workflow metrics
- Easy access to procedure documentation through natural language
- Inspection and Quality Support
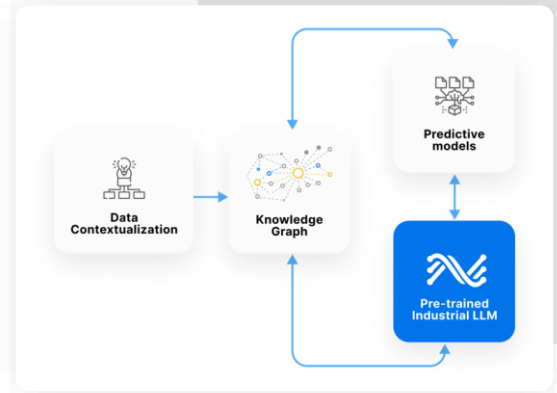- Always on virtual support for SOPs

Built on trusted industrial products

The SymphonyAI IRIS Copilot enhances the existing suite of innovative manufacturing technology products trusted by leading industrial enterprises. Specifically designed for multiple industrial personas to enhance performance and reliability, manufacturing operations, and connected frontline worker solutions, the IRIS Copilot delivers easy access to real-time information for faster and more accurate decision-making.
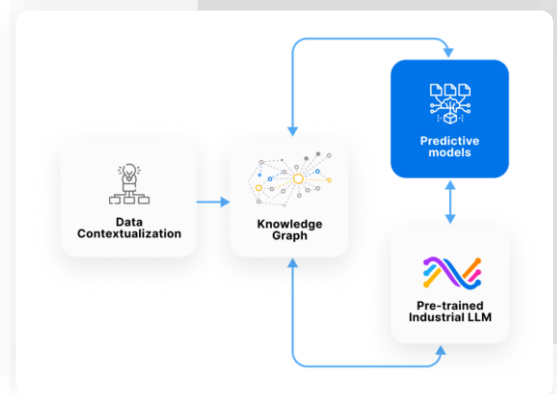
AI ecosystem for the IRIS Copilot

Industrial large language model

Using robust industrial datasets, skills, and agents specifically optimized for industrial use cases and queries, the Industrial LLM unlocks powerful insights, predictions, and planning capabilities for equipment manufacturers and operators.
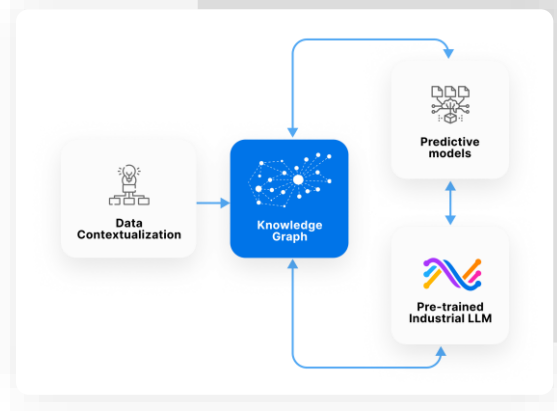

Predictive models

Embrace the future of industrial manufacturing with advanced Predictive Models. These powerful tools harness the wealth of data generated within industrial operations to forecast potential issues, enabling proactive problem-solving and minimizing downtime.

Industrial knowledge graph

The journey from raw data to a comprehensive knowledge graph involves the ingestion, contextualization, and integration of IT, OT, and engineering data sources. The industrial knowledge graph enables users to query other systems to leverage the underlying data relationships to create a holistic and structured repository of assets, systems, and processes.

Why SymphonyAI

- IRIS Copilot provides tangible benefits from day one of deployment with no upskilling required.

- Best-in-class Industrial AI foundational solutions with proprietary industrial knowledge graph and deep learning models.

- Industrial Knowledge graph quickly enables contextualized access to critical data sets.

- Groundbreaking capabilities with one of the industry's first industrial LLMs.

- Natural language interaction enhances people, process & asset workflows.

- Impacts factory KPIs while quantifying overall impact.

About SymphonyAI

SymphonyAI is building the leading enterprise AI SaaS company for digital transformation across the most critical and resilient growth verticals, including retail, consumer packaged goods, finance, manufacturing, media, and IT/enterprise service management. SymphonyAI verticals have many leading enterprises as clients. Since its founding in 2017, SymphonyAI has grown rapidly to 3,000 talented leaders, data scientists, and other professionals. SymphonyAI is a SAIGroup company, backed by a $1billion commitment from successful entrepreneur and philanthropist Dr. Romesh Wadhwani. Learn more at www.symphonyai.com.

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