Sight Machine

Factory CoPilot

Placing data and AI at the core of digital manufacturing

A new era of data and AI powered innovation in manufacturing

Generative AI solutions such as OpenAI ChatGPT are fueling the potential to revolutionize the way manufacturing workers interact with their data, breaking down barriers to digital transformation, and helping to build and scale more agile factories.

Generative AI technology like GPT-4 and other large language models "LLM" can help manufacturers enhance decision-making by further analyzing the vast amounts of plant data from various sources to identify patterns, iterating through those results and streamlining the process of finding insights in the data. The chat oriented interaction unlocks these insights for employees across the organization to take action and create new value from this data.

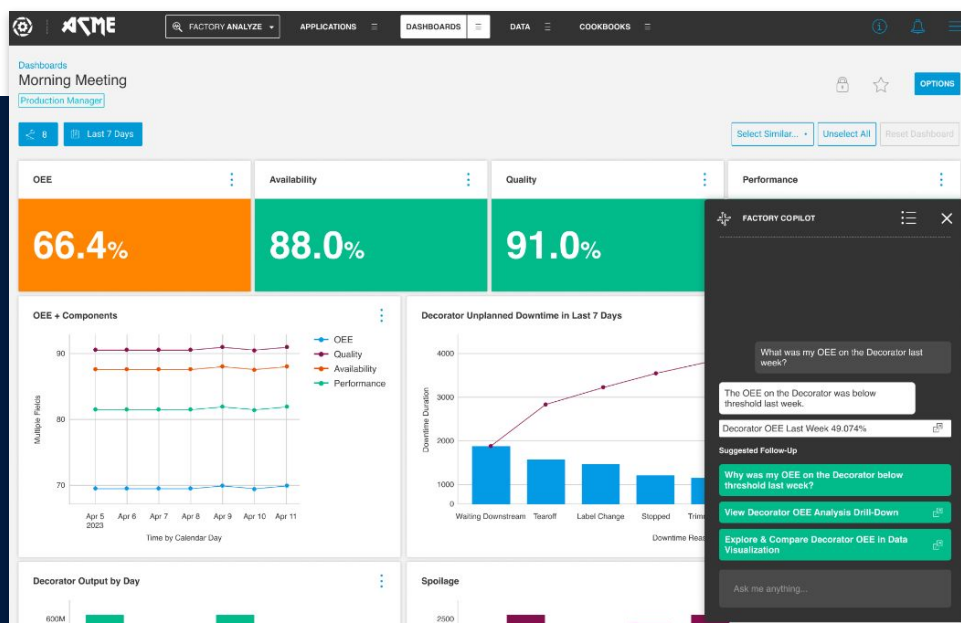### A Factory CoPilot to empower your workforce

Sight Machine and Microsoft help manufacturers improve profitability, productivity and sustainability with production data. Our Manufacturing Data Platform creates a common industrial data foundation that contextualizes all plant data, and a real-time, operational twin for comprehensive analysis and visibility into the entire production process.

And now, Sight Machine's **Factory CoPilot** leverages Microsoft Azure OpenAI Service to harness generative AI (GPT-4), making plant data, analytics and insights even more accessible and impactful for everyone—from shop floor operators to executives.

Factory CoPilot is a natural language interface that provides an always-on, intuitive "ask the expert" experience to bring unprecedented ease of access to insights, analysis and reporting and assist with solving manufacturing's greatest challenges—such as minimizing downtime, improving quality and optimizing throughput.

What makes Factory CoPilot so powerful and different from other generative AI solutions

Built on Sight Machine's data-first platform, **Factory CoPilot** instantly answers the varying types of stakeholder queries from data that is unique to each machine, line or plant. Process engineers, operators and management alike can use our chat interface in a way that does not require deep statistical expertise to view "truly generative" results and recommendations, where numeric data results become reports, emails, text summaries and more.

Factory CoPilot

A natural language interface that provides an always-on, intuitive experience to assist with solving manufacturing's greatest challenges

Real-time results provide insights into varying types of queries - from the shop floor to executives - in user friendly reports, charts etc

Accurate, traceable and validated results based on contextualized data from a common data foundation

SIGHT MACHINE

And behind the scenes, our machine learning tools seamlessly and rapidly perform all the calculations that our data platform has been optimized for. This ensures that the results are based on auditable, traceable and validated statistical models from our contextualized data foundation, and not the result of "hallucinations". And at all times, your data remains secure in a managed environment that does not leak to the Internet.

Use cases to help with getting started

Based on our experiences and insights from customers, we have prioritized a few initial use cases to enhance and accelerate data-driven decision-making, including the ability to:
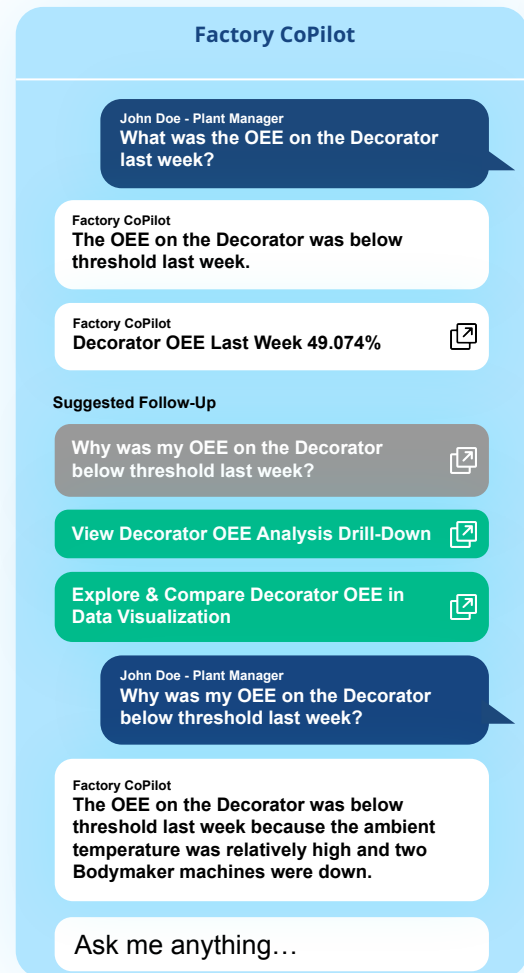
- Summarize previous shift performance during daily meetings
- Guide users through root cause analysis and drill-down investigation for faster diagnosis
- Ask follow on questions to understand underlying issues and obtain recommendations
- Help non-expert users interpret graphs and charts in dashboards

Accompanying each of these are validated source references for building trust and confidence with taking action.

Accelerate your data-driven journey now

With these tools in place to deliver the most accurate set of synthesized results, the analytical components and simplified interpretations of complex issues just got a lot easier so your workforce can spend more time acting on insights.

Let us help you place data-driven decision-making at the core of your operations.

Factory CoPilot

John Doe - Plant Manager
What was the OEE on the Decorator last week?

Factory CoPilot
The OEE on the Decorator was below threshold last week.

Factory CoPilot
Decorator OEE Last Week 49.074%

Suggested Follow-Up

Why was my OEE on the Decorator below threshold last week?

View Decorator OEE Analysis Drill-Down

Explore & Compare Decorator OEE in Data Visualization

John Doe - Plant Manager
Why was my OEE on the Decorator below threshold last week?

Factory CoPilot
The OEE on the Decorator was below threshold last week because the ambient temperature was relatively high and two Bodymaker machines were down.

Ask me anything…

For illustrative purposes only

Sight Machine: The Manufacturing Data Platform

A single, integrated solution for digital transformation.

Sight Machine continuously transforms and analyzes all plant data so that you can focus on improving production.

Learn More

sightmachine.com