



What Is Conversational AI

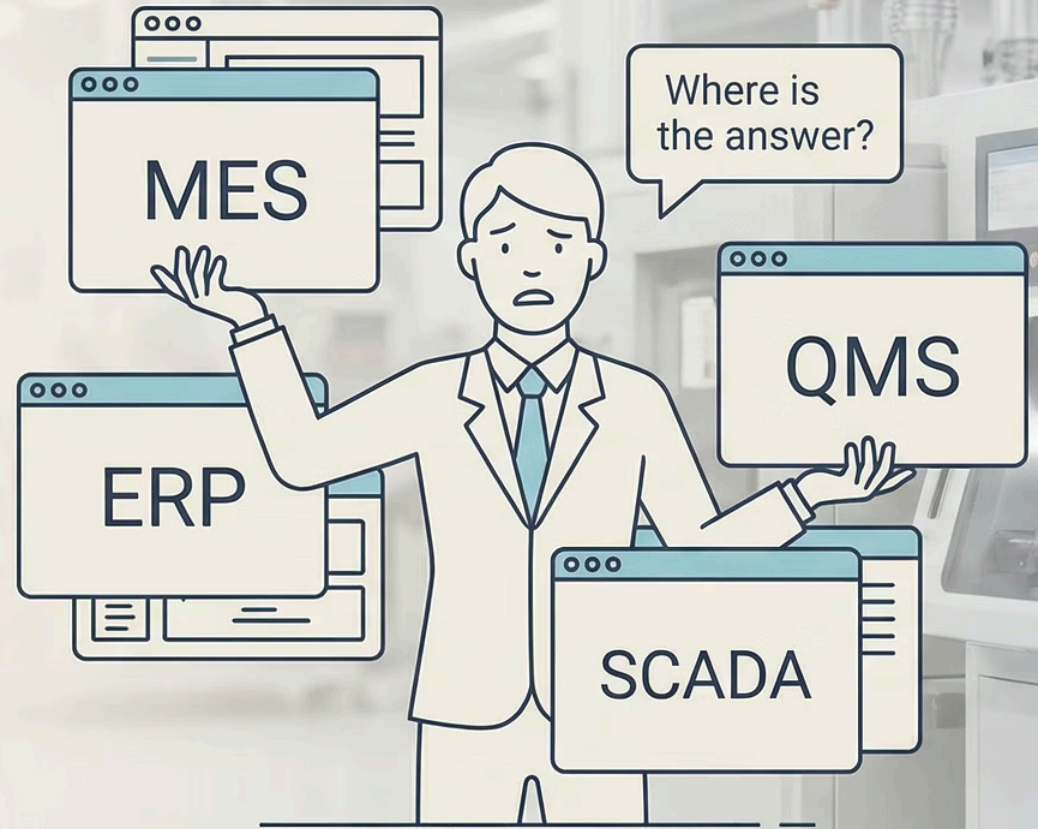
A simple guide for manufacturers



Connected
Manufacturing

Factories collect a lot of data. Getting answers can still take hours.

People wait on reports.
People open too many systems.
Meetings run on old numbers.



What It Is

Conversational AI is software you can talk to in plain language. You ask a question like you would ask a coworker. It answers using facts from your own systems.

In manufacturing, it often connects to MES, ERP, SCADA, QMS, and PLM.



Why is Line 4 slow

Line 4 cycle time increased 8% due to worn tooling

Line	Cycle Time 🕒	Status
Line 4	54s	⚠️ Delayed
Line 5	49s	✅ On Time
Line 6	51s	✅ On Time



The Simple Idea Behind RAG

RAG stands for Retrieval-Augmented Generation. It is a practical way to keep answers tied to your data.



Retrieve

It finds the right records in your connected sources.



Augment

It passes only those relevant records into the AI as context.



Generate

It writes the answer using what it just retrieved.

The Questions People Actually Ask



What caused the most downtime last shift



Show today's OEE



Which deviations are still open for a batch



Which stations ran over cycle time during changeovers last week



Which lines had the highest unplanned downtime last quarter and why

What It Can Do Well

Conversational AI is strong at finding and summarizing what already happened.
It helps teams.

Before

- Wait for reports
- Search across systems



Answer questions fast without SQL or custom dashboards



Compare performance across lines and sites

After

- Ask once
- Get an answer



Summarize quality trends from defect logs



Pull together data from multiple systems into one answer

Conversational AI is not the same as predictive AI, computer vision, or real time control.

It does not auto-tune equipment. It does not inspect images for defects. It helps you understand the data and decide what to do next.



Conversational AI
is like search for
your factory data



Predictive AI
is like a forecast



Computer Vision
is like an automated
visual check

Why Manufacturers Should Adopt It First

It removes friction fast.

It gives value on day one because people can **self-serve** answers.

Many teams report faster issue resolution and fewer report requests.



3X

Faster issue resolution



65%

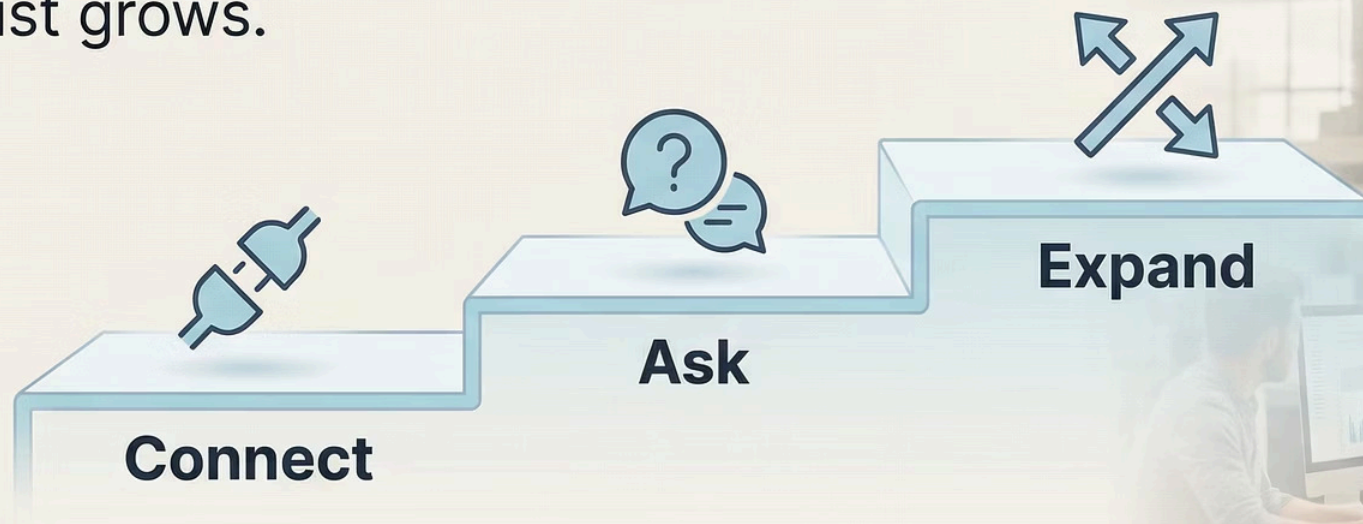
Less report creation

What A Good Rollout Looks Like

Start with a few high-value questions.

Connect one or two sources first. Many teams start with MES and quality.

Expand as trust grows.



A practical goal is shared access across roles.



Line leads



Engineers

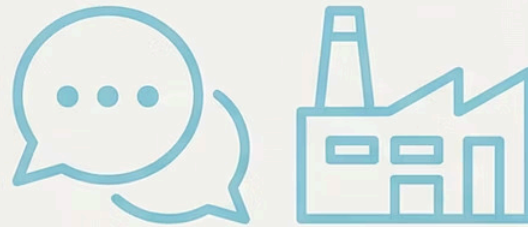


Quality



Operations leaders

Want to see this on your factory data.



Book A Demo

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More Information



For over three decades, Connected Manufacturing™ has been helping manufacturers across multiple industries to transform design and production processes, accelerate time-to-market, and ensure traceability across supply chains.



Our expertise in Manufacturing Execution Systems (MES), Product Lifecycle Management (PLM), Industrial Internet of Things (IIoT) and Conversational AI Data Intelligence empowers you to overcome complex challenges to achieve true design for manufacturability and a closed-loop production process.



Ready to take your manufacturing operations to the next level? Contact us today.



www.connectedmanufacturing.com/contact-us



About Connected Manufacturing™

At Connected Manufacturing™, we enable manufacturers to thrive in digital world, a requirement today for exceptional results. We specialize in deploying and optimizing advanced Siemens solutions like Opcenter MES, Teamcenter PLM, Insights Hub IoT, as well as offering the latest Conversational AI Data Intelligence. We integrate your design and innovation with your execution processes through digital threads to help you continuously optimize your operations. We do so by fusing together the solutions into a seamless experience that your teams want to use and need to be successful. From medical devices and pharmaceuticals to semiconductors and electronics, our solutions deliver real-time insights to tune your output and actionable intelligence to drive smarter decisions and deliver real operational excellence.

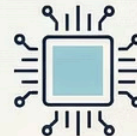
Industries served



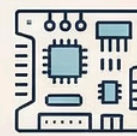
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Pharmaceuticals



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