



From conversation to connected digital twin

Describe a change to a production line in plain words. See it come to life in a 3D digital twin. Ask questions about it the way you would ask a colleague.

AUTHORS

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Describe

Change the line in one sentence

See

A virtual line that behaves like the real one

Ask

Answers that understand your equipment

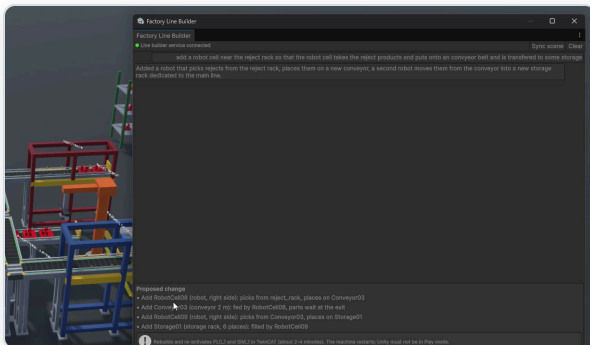
THE IDEA

Your factory already has the data. It just doesn't speak your language.

Every machine on a production line produces a constant stream of signals. But knowing what a signal means, which machine it comes from, what that machine is connected to and why it matters, usually takes several experts and several separate systems. And every time the line changes, all of them have to be updated by hand.

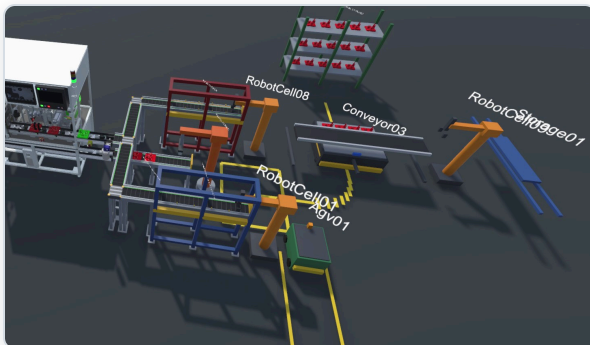
Our team built a digital twin that removes those hand-offs. You talk to it in plain language, it shows you the line in 3D, and it keeps everything it knows about the line connected, so you get answers instead of raw data.

HOW IT WORKS



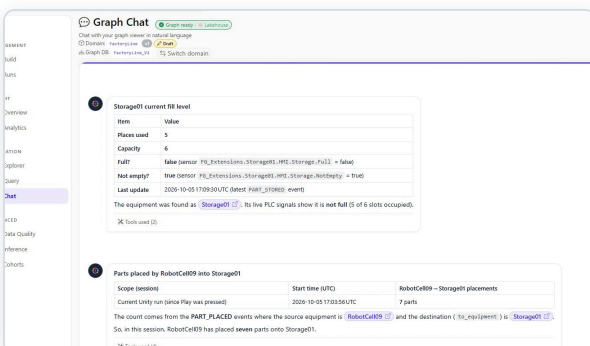
1 Describe the change

You type what you want, for example a new robot and a conveyor next to the reject station. An AI assistant turns it into a clear plan built from proven equipment building blocks. Nothing happens until you approve it.



2 See it come to life

The system prepares the machine control logic, adds the new equipment to the 3D twin and starts it. The new robots and conveyor move parts exactly as the line's controller tells them, just like on a real shop floor.



3 Ask about it

Everything the line does flows into a central data platform and a knowledge graph that links each signal to its machine and its place in the process. So you can simply ask: "How full is the new storage?" or "How many parts has the new robot moved?"

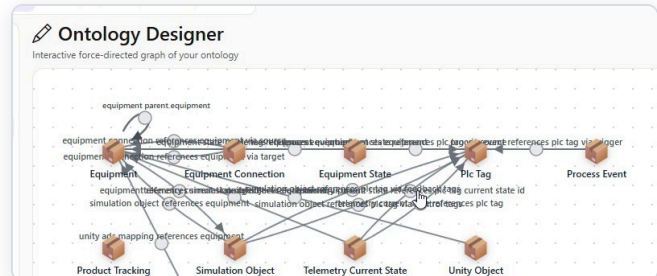
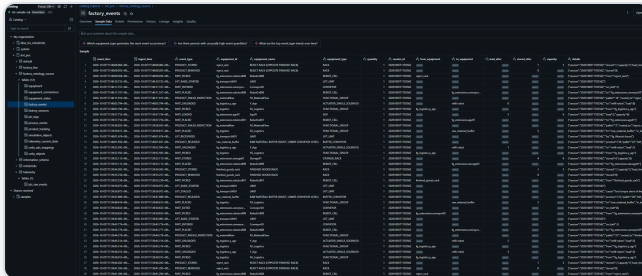
WHAT WE SHOWED

One sentence, from idea to answers.

"Add a robot near the reject rack that takes the rejected products, puts them on a conveyor belt and moves them to a storage."

The request in our demonstration, lightly edited

From that one sentence, the system planned the change, set up the new equipment, and had it running in the virtual line. Rejected products started flowing from the reject rack over the new conveyor into the new storage. The data from the new machines appeared in the data platform, and after a refresh of the knowledge graph we could ask questions about them right away.



WHY IT MATTERS

Change with confidence

Try new layouts and material flows in a virtual line before touching the real one.

One change, everywhere

Control logic, 3D model and data stay in step automatically, instead of being updated by hand in separate places.

Data with meaning

Every signal is tied to its machine and its role in the process, so anyone can understand what is going on.

Answers for everyone

Planners, managers and engineers ask questions in plain language and see what each answer is based on.

BUILT WITH CARE

- The AI only chooses from proven equipment building blocks; it never writes machine control code itself.
- Every plan is checked for a sensible material flow, and a person approves it before anything changes.
- Today the demonstration runs on a virtual line; it is built on the same kinds of technology used in real plants.

Let's explore it together

We would be glad to show you the demonstration live and discuss what it could mean for your lines.