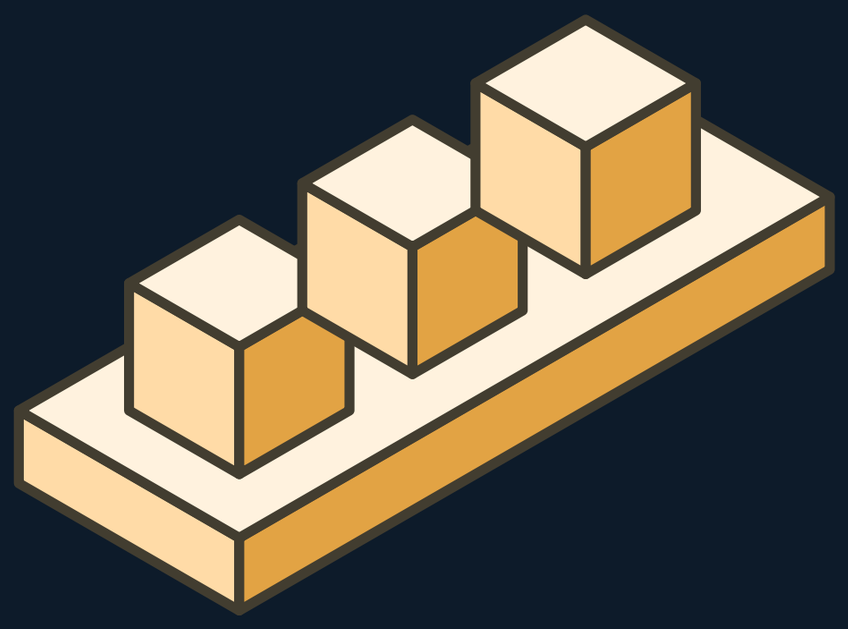
MANUFACTURING CONTROL

What is iniationMES?

A solution that captures production data right at the machine, puts it in context and makes it usable. The focused manufacturing part of iniationOS.



PROBLEM

Many machines. Little transparency.

Scattered sources

Controllers, sensors, machines and spreadsheets each speak their own language.

Values without order context

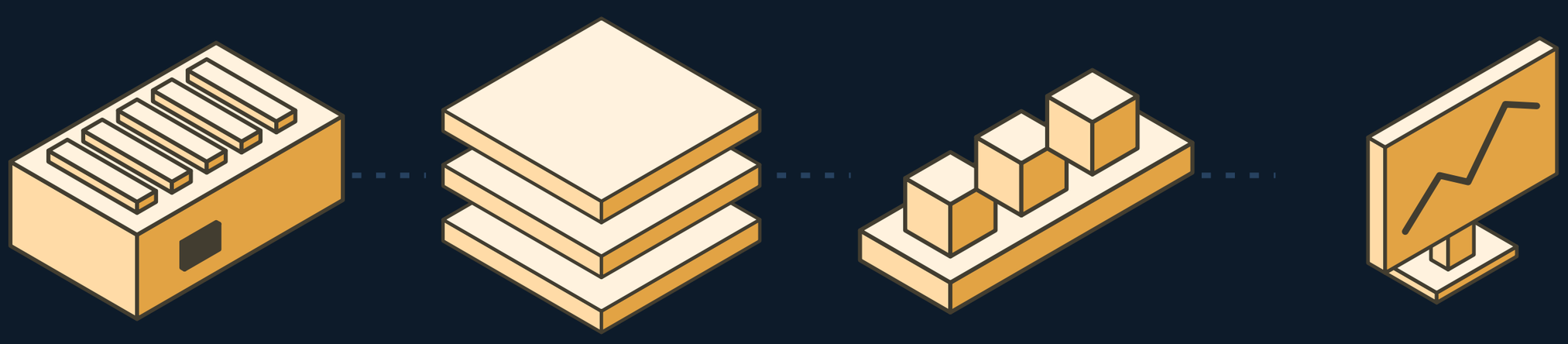
A counter reading helps little as long as it is unclear which order it belongs to.

Disconnected tools

Capture, quality checks and reporting in separate tools mean manual hand-offs.

IN ONE SENTENCE

iniationMES captures production data at the machine, puts it in context and delivers it in one product.



HOW IT WORKS

Four steps from machine to decision.

01

Connect

Captures data from machines, controllers and sensors, for example via OPC UA, Modbus or MQTT.

02

Contextualize

Places data in the Unified Layer by plant, line, machine and order. Access via UNS, MQTT, OPC UA or REST API.

03

Capture and analyze

Stores production data as time series and evaluates downtime, output and quality with rules.

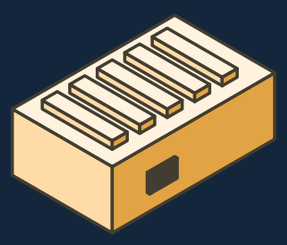
04

Deliver

Delivers dashboards, reports and data for ERP and other systems.

ONE PRODUCT

Separate tools, one platform.



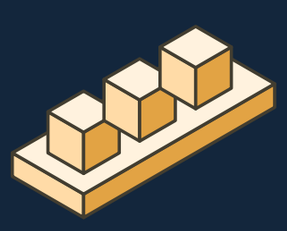
SWIFT-BOX

Edge device on the line. Captures machine data and runs simple MES logic on site.



Unified Layer

One shared structure for all data, reachable via UNS, MQTT, OPC UA or REST API.



Production and quality

Orders, output, downtime and quality, stored and ready to query.



Dashboards

One view for everyone, from machine operator to plant management.

IN DEMAND THROUGH 2027

Four applications that are in demand.

01 **Make downtime visible** — NOW

Identify losses per machine and line and reduce them in a targeted way.

02 **Quality and traceability** — NOW

Assign measurements to the order and the batch.

03 **Paperless orders** — NOW

Orders, feedback and KPIs without paper slips and spreadsheets.

04 **Predictive maintenance** — 2027

Detect unusual machine data before a failure occurs.

ON YOUR INFRASTRUCTURE

Your data stays under your control.

iniationMES is designed to run on infrastructure you control. You decide where data lives and who can access it. As part of iniationOS it can later grow with energy and local AI.

Captured on the line. Controlled by you.

UP NEXT

Get to know iniationMES up close.

In the next posts we will show each step with examples.

Scan now

and learn more about iniationMES.

iniationware.com