

PRODUCT AND SERVICE CATALOGUE

Make your factory visible, one module at a time.

Tuna Industrial Platform is a modular smart-factory platform that runs from the machine on the shop floor to the management report. Each module is activated on its own and works with the others on the same data.



Representative factory imagery. Not a real customer installation.

Edition	Modules	Web
2026 / v1	M01-M08	catalog.tunaindustrial.com

WHERE TO START



Digital Transformation Score
tunaindustrial.com/en/digital-score



Live Factory Demo
tunaindustrial.com/en/live-demo

THIS CATALOGUE

How to read it

The catalogue has two parts.
Platform modules (M01-M08)
describe what you will see in the
factory. Services (S01-S04)
describe how those modules are
brought into your plant.

Each module page shows the layer it
runs in, what it does, a typical
question it answers, and the
indicators it tracks. Figures in the
dark boxes are simulated demo data.

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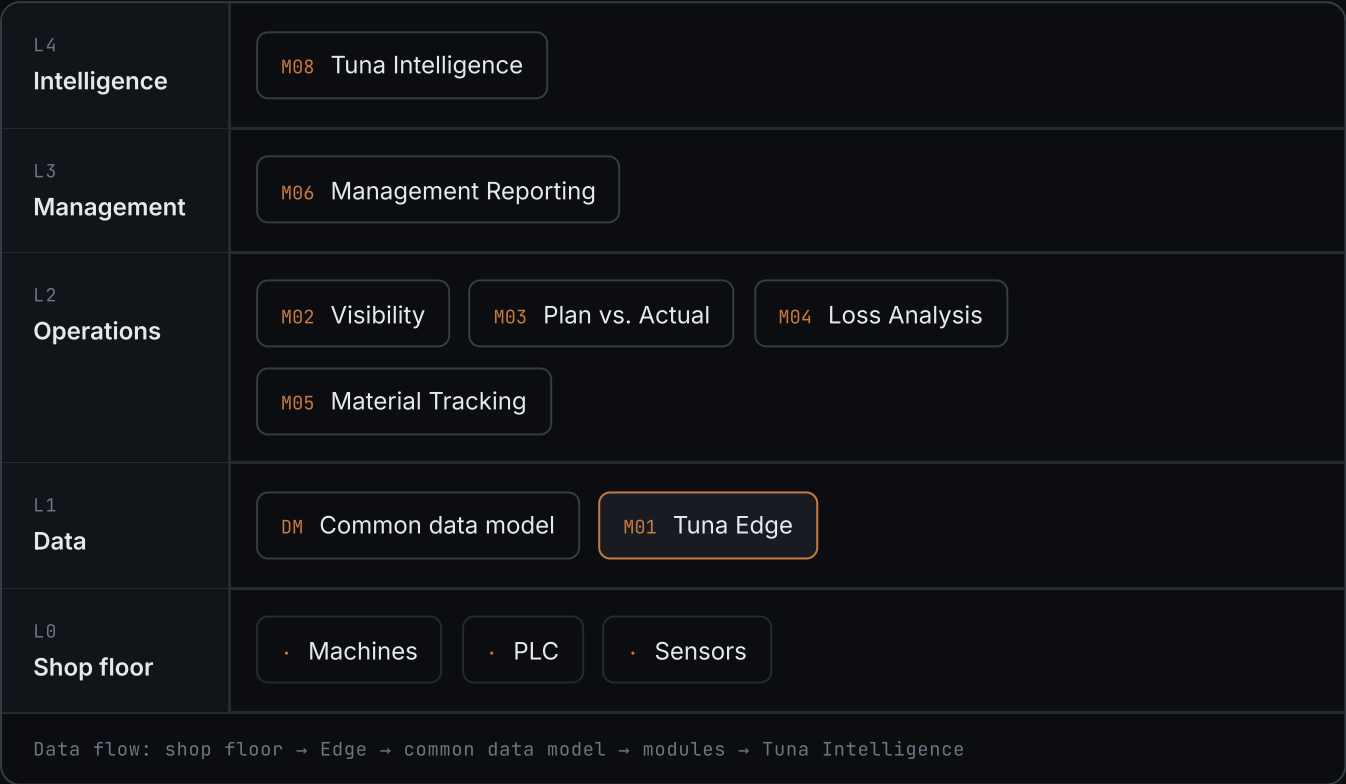
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PLATFORM ARCHITECTURE

Not one large piece of software, but modules that connect.

Data is born on the shop floor, at the machine. Tuna Edge collects it and moves it into a common data model, where machines of different brands and protocols start speaking the same language.

The operations and management modules use that shared data. You start with what you need; every module you add reads the same data, so setup is never repeated from scratch.



M07

You keep your existing ERP

The platform does not replace your ERP. It exchanges data with it.

Logo Netsis SAP ERPNext

M01

SHOP FLOOR

Core layer

Tuna Edge

The connectivity layer that gets machine and PLC data safely off the shop floor.



Representative factory imagery. Not a real customer installation.

Tuna Edge is a lightweight component that runs on the shop floor. It collects machine and PLC data and transmits it securely. When the connection drops it holds data locally, and when the connection returns it sends the backlog. Rather than rewriting low-level protocol stacks, it combines industrial connectivity methods already proven in the field, which shortens setup time and lowers risk.

WHAT IT DOES

- 01 Collects machine and PLC data
- 02 Transmits data securely
- 03 Holds data locally when the connection drops
- 04 Sends the backlog once the connection returns

QUESTION IT ANSWERS

"Which data can we get from which machine, and how?"

INDICATORS TRACKED

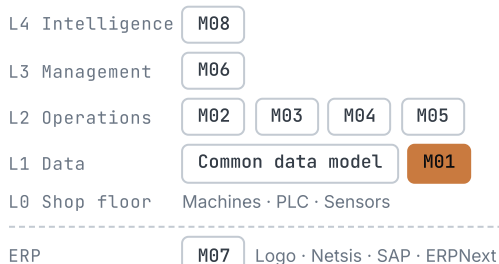
Connected machines

Data continuity

Connection status

CONNECTS TO Every other module runs on the shop-floor data this layer collects.

WHERE IT SITS



START · TOGETHER

See this module in the live demo

The demo runs on simulated factory data and is not a real customer installation.

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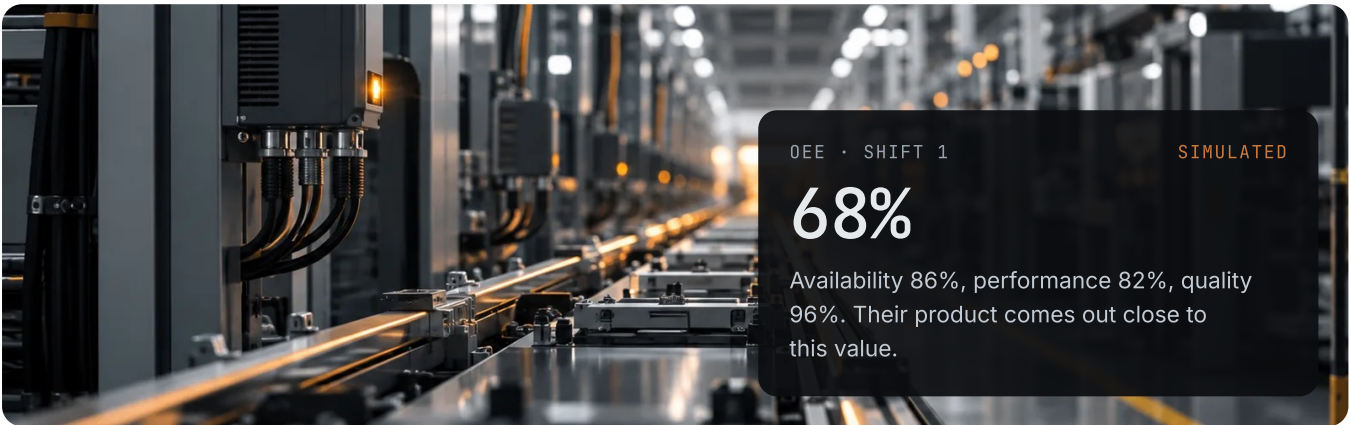
M02

OPERATIONS

Core module

Visibility

Factory, line, and machine status on one screen, in real time.



Representative factory imagery. Not a real customer installation.

You can see at a glance which machine is running and which has stopped, and drill down from the whole plant to a line and from a line to a single machine. Information that used to be collected by hand at the end of a shift is on screen during the shift.

WHAT IT DOES

- 01 Plant, line, and machine overview
- 02 Live running and stopped status
- 03 OEE by line and by machine
- 04 Alerts for critical conditions

QUESTION IT ANSWERS

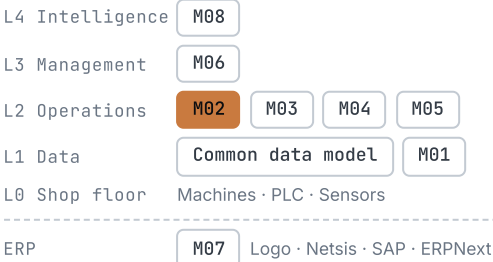
“Which machine is running right now, and which has stopped?”

INDICATORS TRACKED

- OEE
- Running / stopped machines
- Critical alerts

CONNECTS TO Fed by M01 Tuna Edge; provides the base data for M04 and M06.

WHERE IT SITS



START · TOGETHER

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M03

OPERATIONS

Core module

Plan vs. Actual

Places the production plan next to actual output.

TARGET ATTAINMENT

SIMULATED

82%

82% of the shift target was reached. The largest gap came from the mould-change stop on line 2.

Where and when the gap between target and result appears becomes something you can follow. Work order progress is tracked by day and shift, so you can see which line and which cause the shortfall came from.

WHAT IT DOES

- 01 Plan compared with actual production
- 02 Work order tracking and progress
- 03 Target attainment by day and shift
- 04 Time deviation per work order

QUESTION IT ANSWERS

"Why are we behind target today?"

INDICATORS TRACKED

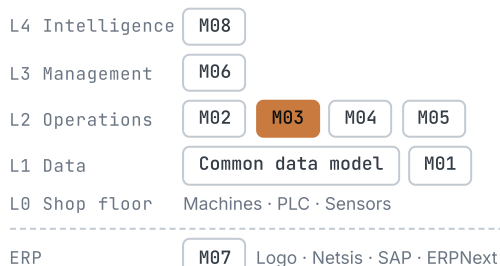
Target attainment

Work order completion

Time deviation

CONNECTS TO Takes plan data from M07 ERP integration and actual output from M01 Tuna Edge.

WHERE IT SITS



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M04

OPERATIONS

Core module

Loss Analysis

OEE, downtime, scrap, and quality in one place, with the source of loss visible.



Representative factory imagery. Not a real customer installation.

Downtime and its causes are classified, and the causes behind the most loss are ranked. Scrap and quality results collect by product and by machine. The reason a machine stopped no longer depends on an operator's memory.

WHAT IT DOES

- 01 OEE and its components (availability, performance, quality)
- 02 Downtime by cause and downtime Pareto
- 03 Scrap rates by product and machine
- 04 Breakdown by shift and machine

QUESTION IT ANSWERS

"Which machine caused the most loss, and why?"

INDICATORS TRACKED

OEE Downtime by cause Scrap rate
Cycle time deviation

CONNECTS TO Uses the same shop-floor data as M02 Visibility; results flow into M06 reports.

WHERE IT SITS

L4 Intelligence	M08
L3 Management	M06
L2 Operations	M02 M03 M04 M05
L1 Data	Common data model M01
L0 Shop floor	Machines · PLC · Sensors
ERP	M07 Logo · Netsis · SAP · ERPNext

START · TOGETHER

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M05

OPERATIONS

Core module

Material Tracking

Material consumption is recorded and deviation from the recipe becomes visible.

MATERIAL DEVIATION

SIMULATED

3%

Actual consumption deviates 3% from the standard recipe, mostly on the main raw material.

Actual material consumption is compared with the standard recipe and shown with the size of the deviation. Where raw material, resin, or packaging is overused is broken down by product and work order.

WHAT IT DOES

- 01 Recording of material consumption
- 02 Comparison with the standard recipe
- 03 Deviation per item
- 04 Breakdown by product and work order

QUESTION IT ANSWERS

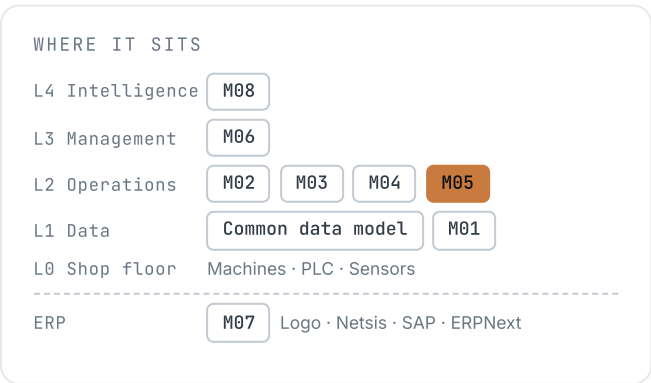
“On which item are we deviating from the recipe?”

INDICATORS TRACKED

Material deviation

Consumption / recipe ratio

CONNECTS TO Takes recipe and stock data from M07 ERP integration.



START · TOGETHER

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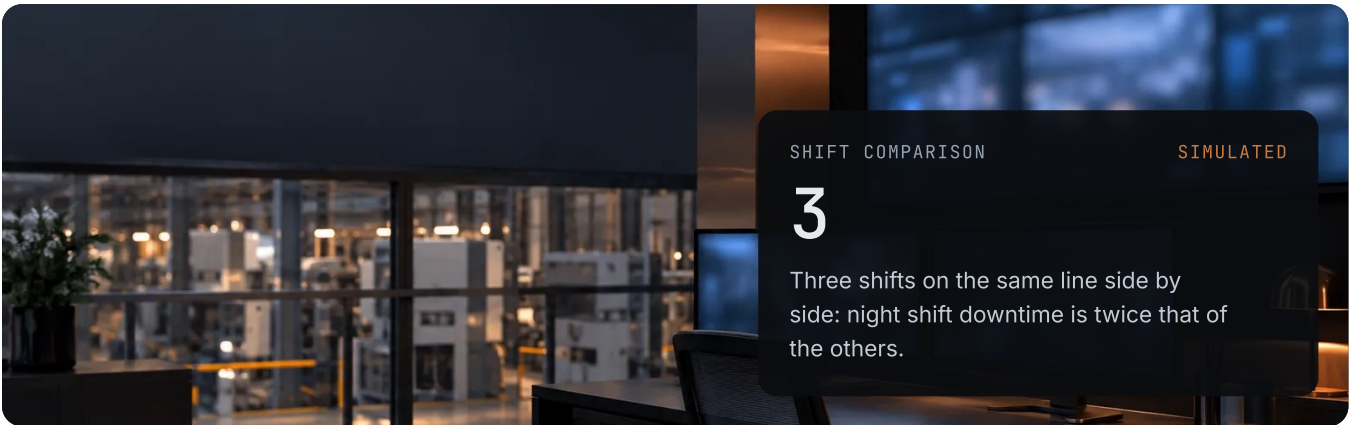
M06

MANAGEMENT

Core module

Management Reporting

Shift, day, and period summaries at a glance.



Representative factory imagery. Not a real customer installation.

The management dashboard turns shop-floor data into something the decision maker can read. Summaries are produced by shift, day, and period; placing a line's shifts side by side reveals the differences that keep repeating.

WHAT IT DOES

- 01 Management dashboard
- 02 Shift, day, and period summaries
- 03 Shift comparison
- 04 Traceability back to the underlying measurement

QUESTION IT ANSWERS

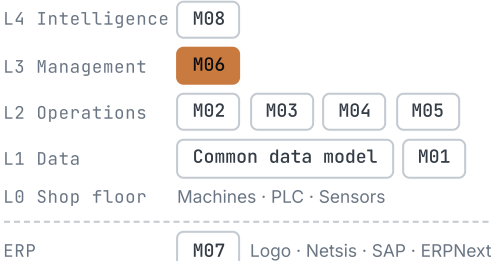
"What is different between shifts this week?"

INDICATORS TRACKED

- OEE trend
- Target attainment
- Downtime and scrap summary

CONNECTS TO Combines the results of modules M02-M05 into one report.

WHERE IT SITS



START · TOGETHER

See this module in the live demo

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M07

INTEGRATION

Core module

ERP Integration

You keep your existing ERP; the platform exchanges data with it.



Representative factory imagery. Not a real customer installation.

Tuna Industrial Platform is designed to integrate with ERP systems such as Logo, Netsis, SAP, and ERPNext. The goal is not to replace your enterprise system but to talk to it. The shop-floor visibility and production intelligence layer sits on top of your current system; you never have to give up a working ERP.

WHAT IT DOES

- 01 Integration with Logo, Netsis, SAP, ERPNext and similar
- 02 Work order, plan, and recipe data brought to the floor
- 03 Shop-floor results returned to the enterprise system
- 04 Existing processes kept in place

QUESTION IT ANSWERS

"Where is this ERP work order on the floor right now?"

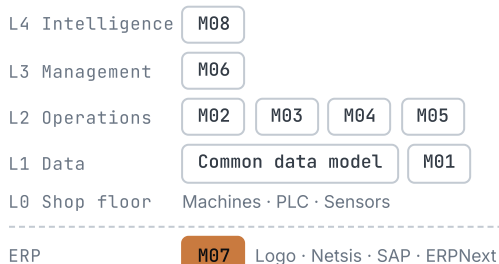
INDICATORS TRACKED

Synchronised work orders

Data freshness

CONNECTS TO Supplies plan and recipe data for M03 and M05.

WHERE IT SITS



START · TOGETHER

See this module in the live demo

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M08

INTELLIGENCE

■ Later stage, introduced gradually

Tuna Intelligence

The AI layer that answers production questions from factory data.

SAMPLE ANSWER · SCRAP

SIMULATED

7%

Clear lid (TP-140) is highest at 7% scrap against a 4% line average. Likely cause: flash on the first shots taken while the mould was still cold.

Tuna Intelligence aims to answer questions such as why the day is behind target, which machine caused the most loss, or which product has the highest scrap rate, using actual factory data. It is introduced in stages rather than all at once, and every answer is designed to be traceable back to the measurement it rests on.

WHAT IT DOES

- 01 Production questions in plain language
- 02 Answers grounded in factory data
- 03 Every answer traceable to its source
- 04 Introduced in stages

QUESTION IT ANSWERS

"Which product has the highest scrap rate, and why?"

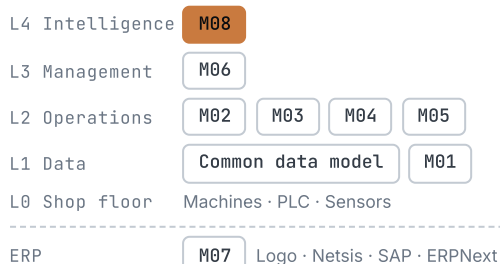
INDICATORS TRACKED

Underlying measurement

Source trace

CONNECTS TO Runs on the shared data of all other modules; added to the same platform at a later stage.

WHERE IT SITS



START · TOGETHER

See this module in the live demo

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INDUSTRY SOLUTIONS

Which modules matter in which industry

Five manufacturing scenarios, derived from sector patterns that recur across the DDX evidence base. The table shows the modules that lead in each scenario and the example indicators tracked.

INDUSTRY / TYPICAL ISSUE	M02 Visibility	M03 Plan vs. Actual	M04 Loss Analysis	M05 Material Tracking	M06 Management Reporting	EXAMPLE INDICATORS
Food Production Batch and lot traceability by hand, downtime on paper, scrap not visible in real time.	☐	☒	☒	☒	☐	OEE · scrap rate · downtime by cause · material deviation
Plastics and Composites Cycle time drift goes unnoticed, setups run long, resin consumption deviates.	☒	☐	☒	☒	☐	Performance (cycle drift) · setup time · material deviation
CNC and Metalworking Downtime causes live in operators' memory; efficiency cannot be compared per work order.	☐	☒	☒	☐	☐	Availability · downtime Pareto · work order completion
Machine Building Work order progress is invisible on long processes; cost and performance per project are poorly tracked.	☐	☒	☐	☐	☒	Production completion · time deviation per work order
General Discrete Manufacturing No central view of which line or machine is in which state.	☒	☐	☐	☐	☒	OEE · running / stopped machines · critical alerts

M01 Tuna Edge is the common foundation of every scenario where machine data is collected. These are representative scenarios derived from DDX evidence, not real customer case studies.

Beyond manufacturing: the same approach, other operations

Field Service

Visibility of field technicians and service teams: first-time fix rate, SLA breach risk, travel and waiting inefficiency, spare-part use.

Logistics

Fleet and route visibility: delivery success rate, delay causes, fuel consumption and deviation tracking.

Sales and Marketing

Sales team and pipeline visibility: quota attainment, loss-reason analysis, campaign spend deviation.

These three modules are a demo running on simulated data and, unlike the manufacturing scenarios, are not derived from DDX evidence.

SERVICES

Four steps from assessment to a working factory

Our method starts with an independent DDX assessment, takes shape in a Solution Blueprint within 48-72 hours, and reaches the shop floor through a narrowly scoped pilot. Once the pilot succeeds, it grows on the same platform.

S01

INDEPENDENT

DDX assessment

DDX is an independently run digital maturity assessment. It sets out the current state, the priority problems, and the target state.

OUTPUT Current state and priorities. Not a software specification.

S02

48-72 HOURS

Solution Blueprint

The DDX output becomes a concrete document showing which modules are activated, with which integrations, which pilot scope, and on what timeline.

OUTPUT Module selection, integrations, pilot scope, timeline.

S03

1 AREA • 3-10 MACHINES

Narrow pilot

One production area, 3-10 machines, and a limited number of users. It can start soon after discovery and the connectivity review; the exact timing is set after discovery.

OUTPUT Modules running on the floor, with measurable success criteria.

S04

SAME PLATFORM

Scale-up

Once the pilot criteria are met, scope extends to new lines, added capabilities such as quality and maintenance, or other plants. No setup from scratch.

OUTPUT New lines, new modules, new plants.

The DDX recommendation and the Tuna Industrial Platform commercial proposal are separate, traceable documents. Keeping them apart protects the independence of the assessment.

FIRST STEP

See where you stand before the assessment



Digital Transformation Score
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Live Factory Demo
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WHERE TO START

Two starting points

Measure your plant's digital maturity in a few minutes, or watch the modules in this catalogue running on simulated data.

THE 5 AREAS THE SCORE MEASURES

- 01 Corporate Governance
- 02 Customer & Market Management
- 03 R&D Management
- 04 Supply Management
- 05 Production Management

START • ONLINE

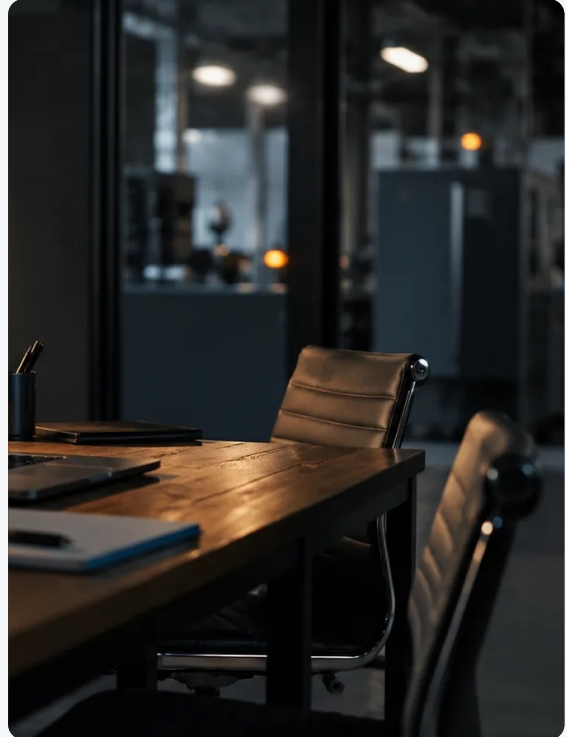
Digital Transformation Score

Answer a short set of questions and get a maturity score across 5 areas with a roadmap tailored to you.

The score is generated automatically from your answers and is not a formal digital transformation audit.



Scan or visit
[tunaindustrial.com/en/
digital-score](https://tunaindustrial.com/en/digital-score)



START • TOGETHER

Live Factory Demo

We walk through the demo with you step by step, so you can see the modules in this catalogue working on one dashboard before any installation.

The demo runs on simulated factory data and is not a real customer installation.



Scan or visit
[tunaindustrial.com/en/
live-demo](https://tunaindustrial.com/en/live-demo)

**Tuna Industrial Platform****CONTACT**

Making your factory visible starts with one assessment.

Tell us about your plant and what you want to improve. We will reply with the modules and pilot scope that fit your situation.



Request an assessment
[tunaindustrial.com/en/contact](https://catalog.tunaindustrial.com/en/contact)



Web version
catalog.tunaindustrial.com/en/

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Figures in this catalogue are simulated demo data and do not represent a real customer result. Images are representative.

Industry scenarios are representative examples derived from DDX evidence. Security controls are designed, not yet implemented.

This catalogue is for information only and contains no pricing. Scope, timing, and commercial terms are defined in the Solution Blueprint.