

EVA

EUROPEAN VERIFIED AGENTS

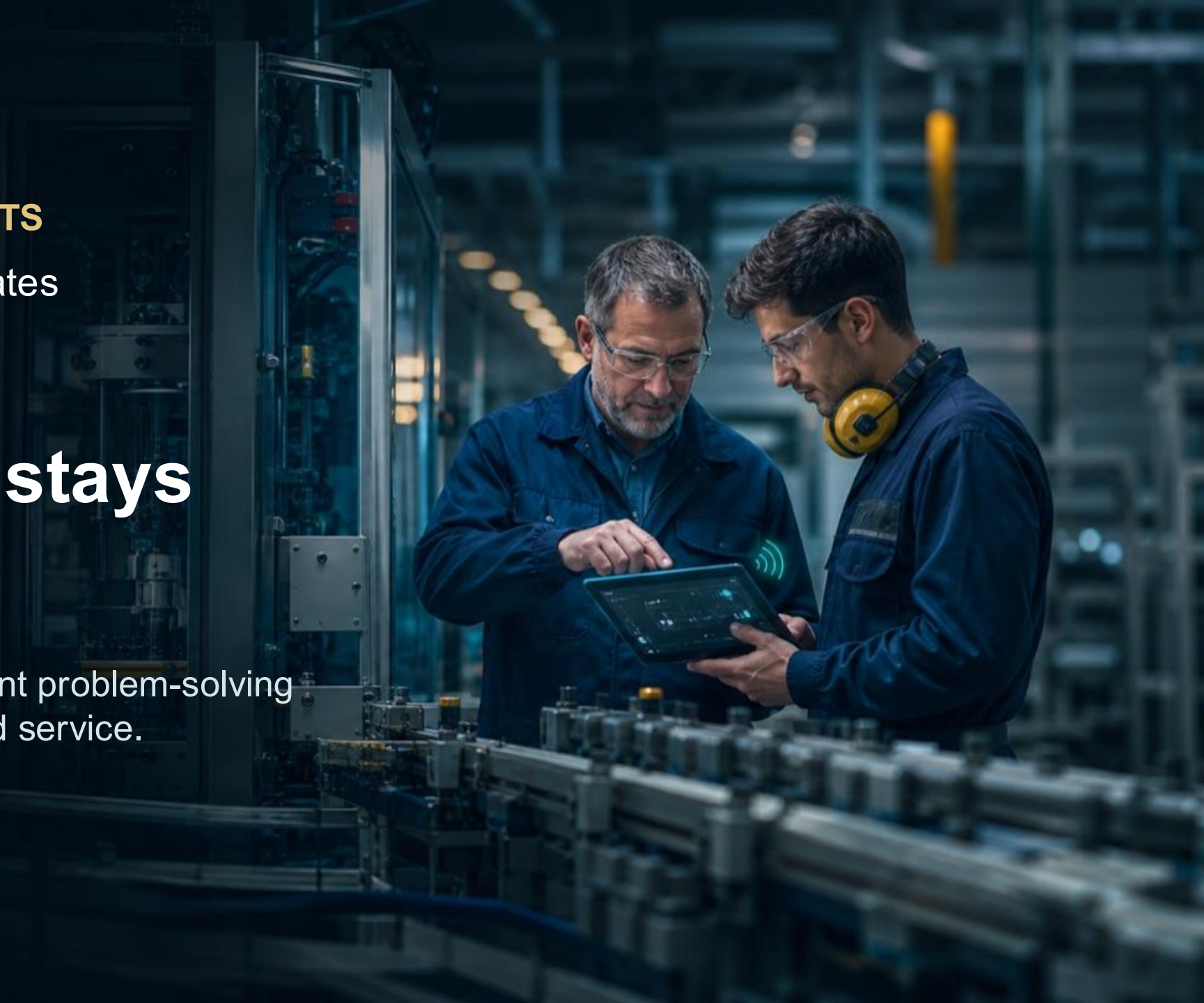
Trusted Industrial AI Teammates

AN INVITATION TO INDUSTRIAL PARTNERS

Expertise that stays with the team

A proposed AI teammate for joint problem-solving
in production, maintenance and service.

Horizon Europe proposal in preparation
October 2026



New shift. Same problem. Context lost.

Rejects rise after a packaging line changeover. The next shift repeats checks because the handover did not capture the reasons behind them.

**Aim: fewer repeated checks
and a clear next step.**

Concept illustration

Technical readiness is not production clearance

The setting has been corrected after changeover. The quality check is still outstanding.

The misunderstanding: “technically ready” is taken to mean “cleared for production”.

PRODUCTION

“Can we resume production?”

MAINTENANCE

“Technically ready.
The setting is corrected.”

QUALITY

“Checks are still underway.
No clearance yet.”

EVA FLAGS
THE MISSING
PRECONDITION



“The setting is corrected. Quality clearance is still missing.
@Quality: which check is outstanding?”

One shared view of the task, responsibilities and open issues

The team clarifies the outstanding check. The responsible person decides whether production can resume.

Illustrative example. EVA supports coordination and does not authorise production.

Turn expertise into usable guidance

EVA asks experts why checks matter. Reviewed guidance supports team learning and onboarding.

CASE MATERIAL

- Changeover video
- Test results
- Expert explanation



QUICK GUIDE

Visual steps for the task

IN-DEPTH GUIDANCE

Reasons and exceptions

AGENT-READABLE DETAIL

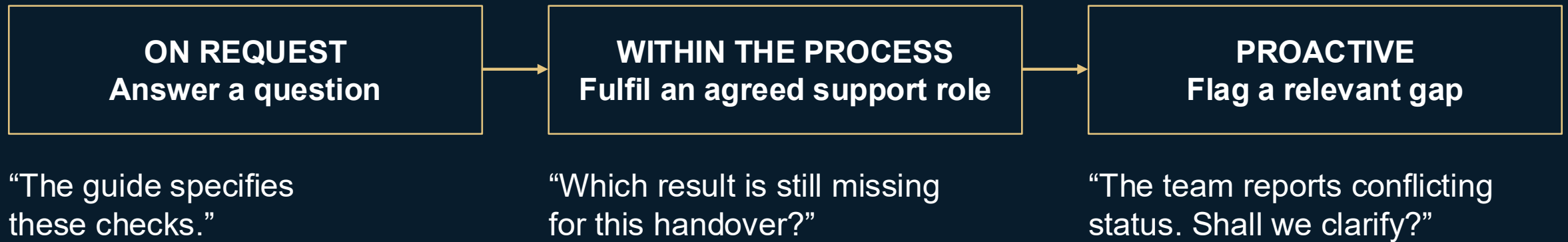
Conditions and supporting evidence

All three views must preserve the same safety-critical information.

Answers, process support and proactive suggestions

The team chooses EVA's role and level of initiative to suit the task. More initiative is not always better.

INCREASING INITIATIVE IN THE DIALOGUE



The interface fits the task

Voice, text, images or video.
Employees help choose how to interact. No avatar required.

People decide and act. EVA supports coordination.

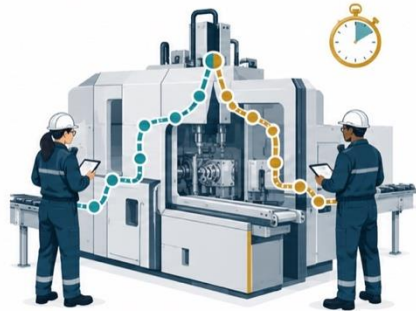


Concept illustration

Measure team performance and operational value

The pilot assesses coordination, decision quality and shared learning within the team.

COORDINATION



Fewer repeated checks

Measure repeated checks and time to the next agreed step.

DECISION QUALITY



Better-informed decisions

Assess decision accuracy against expert-reviewed cases.

SHARED LEARNING



Expertise stays in the team

Retain critical rules and apply them correctly in later tasks.

Measured value



Setup, review
and running costs



Net operational value

Agree baselines, targets and criteria first. Then decide whether to roll out, adapt or stop.

Measure workload too. No savings forecast. Quality and safety remain prerequisites.

Check the evidence. People stay in control

“Verified” means task-specific checks, not certification. Site-specific validation remains essential.

Establish source context →



Traceable source, version and scope

Check the evidence →



Suitability for the task and access rights

Advise the team



Recommendation, rationale or clarification

If a critical gap is detected, EVA should flag uncertainty and ask the responsible person.

Partner-controlled data

Controlled access. No cross-company sharing by default.

People decide and remain accountable

EVA does not control processes or machinery.

Intellectual property protected

Existing IP stays with its owner.
Agree rights to new results before testing.

Employee safeguards

Informed consent and minimum data.
No individual performance monitoring.

When does a shared AI teammate add more value?

Planned Horizon Europe research comparing coordination, shared learning and decision quality.

Current practice



Individual AI assistance



A shared AI teammate



Same tasks and evidence. Comparable core AI capabilities. The outcome is open.

Shared understanding

How does a team build an accurate shared view of its task?

Informs context and level of detail.

Employees help shape the study. Assess workload, accessibility and bias, including gender-related bias.

Role and initiative

When do advice, learning support or proactive suggestions help?

Informs role, interface and timing.

Evidence and trust

What helps people accept sound advice and detect errors?

Informs evidence and human review.

Existing building blocks. Focused research for EVA

We build on existing technology. EVA's value in industrial operations still needs to be demonstrated.

EXISTING FOUNDATIONS



ZHAW · PROMISE [1]

State-based dialogue orchestration

WIT · AINNOV8 [2]

Voice, chat and visual AI
for telecommunications

TO DEVELOP FOR EVA



One shared agent

Link task status, roles and evidence.
Develop dialogue and appropriate
proactive suggestions.

TO TEST IN OPERATIONS



Evidence for adoption

Assess operational value,
recommendation quality and
ongoing effort.

Proposed contributions WIT: engineering; Schopf Meta Consult: knowledge and adoption; ZHAW: teamwork
UPM: evaluation; FAU: industrial integration; Open Industry 4.0 Alliance: industry network

[1] github.com/zhaw-iwi/promise [2] wit-software.com/product-ainnov8.html

Industrial standards as building blocks for EVA

A shared assistant is a possible starting point. You choose the scope and ambition.

1 Shared AI assistant

Guides, videos and expert knowledge
Share knowledge and resolve questions together

+ Structured asset context

For example, Asset Administration Shell (AAS)
Asset profile, data and document references

+ Current operational data

For example, OPC UA / MQTT from machines or MES
Support suggestions relevant to the situation



Deployment to suit your requirements

On-site operation or European hosting

Models selected for suitability

Assess European and locally deployable models

Illustrative setup. Assess value and integration effort for each use case.

45 minutes to explore the fit

Discuss a recurring problem with colleagues from operations, maintenance, engineering or service.

1 INITIAL CONVERSATION



45 minutes

Agree the task and success metric.
No preparation, files, NDA
or budget commitment needed.

2 IF THERE IS A FIT



Scope one task

Outline a pilot and agree the effort
with the process owner, experts
and IT/OT colleagues.

3 BY SEPARATE AGREEMENT



Run a bounded pilot

Named participants, agreed user tests
and approved data. A prototype
and evidence for your decision.

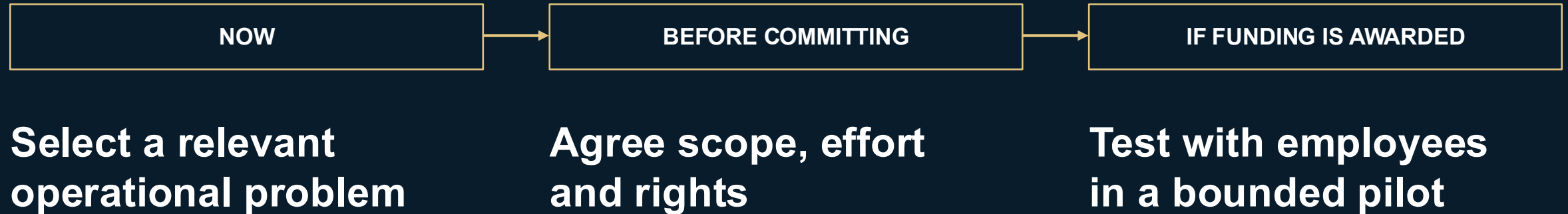
Before committing to a pilot

Agree person-days by role, user hours, costs, data rights
and stopping criteria together.

Reuse existing systems. Assess the Asset Administration Shell where it fits the task.

Help shape the pilot early

Early conversations let your operational priorities shape the research and its success criteria.



Value for Europe

Test which approaches to teamwork and knowledge transfer work across industrial settings. Your site gains evidence to guide its own AI decisions.

2 FEB 2027

Stage 1 deadline

2 SEP 2027

Stage 2, by invitation

Funding not yet awarded. Pilot start depends on selection, the grant agreement and partner agreements.

Horizon Europe / DIGITAL-EMERGING-52-two-stage. Both deadlines: 17:00 Brussels time. Verified 18 Oct 2026.

A CONVERSATION ABOUT YOUR OPERATIONS

Find the right starting point for your team

In 45 minutes, we discuss a recurring problem, a useful success measure and whether it is worth scoping a pilot.

No files, NDA or budget commitment needed for this first conversation.

Your contact:

Dr. Peter Schopf

Peter@schopf-meta-consult.de

Packaging is one example. Other pilots could address maintenance, onboarding or shared production and service tasks.

