

Engineering intelligence with accountable control

A pioneering UK developer of engineering-discovery AI, solving complex engineering problems and discovering new technologies, resources and materials. Sovereign control is a development objective.



Evidence



Model



Discover



Govern



Record



Authorise



Illustrative visualisation — not deployed or test hardware.

ALLi_Pitch_Technology_Route_2026-10-14_v1.0_APPROVED

Version 1.0 · APPROVED · 14 Oct 2026

Supersedes v0.3 DRAFT (14 Oct 2026)

✓ TVC · AEGIS · K-Ledger™ — evidence first, physics aligned, human authority.

Who we are and why we exist

Engineering-discovery AI, with sovereignty as a development objective

Our purpose is to build a legacy that serves mankind and the planet we live on. We are research- and technology-focused, not high-profit seekers. We intend to reinvest available income after delivery costs and obligations into people, infrastructure, further R&D and sharing useful knowledge.



Legacy over profit

Success is the problems solved and the capability left behind



Reinvest in the mission

Available income returns to people, infrastructure and further R&D



People and the planet

Priority to clean energy, resource efficiency, safety, education



Evidence and honesty

We claim only what the evidence supports



Human authority

People, not models, stay accountable for engineering decisions



Open to learners

STEM education is part of the mission, not a sideline

DOCUMENT CONTROL

Research & Technology Route · v1.0 APPROVED · 14 Oct 2026

Approval authority: Cuneyt Ozturk, Director and Principal Technologist. Approved 14 Oct 2026.

Basis: Strategy & Investment Portfolio booklet v1.0, 13 Oct 2026.

Changes from v0.3: approval recorded and release labels applied; content unchanged.

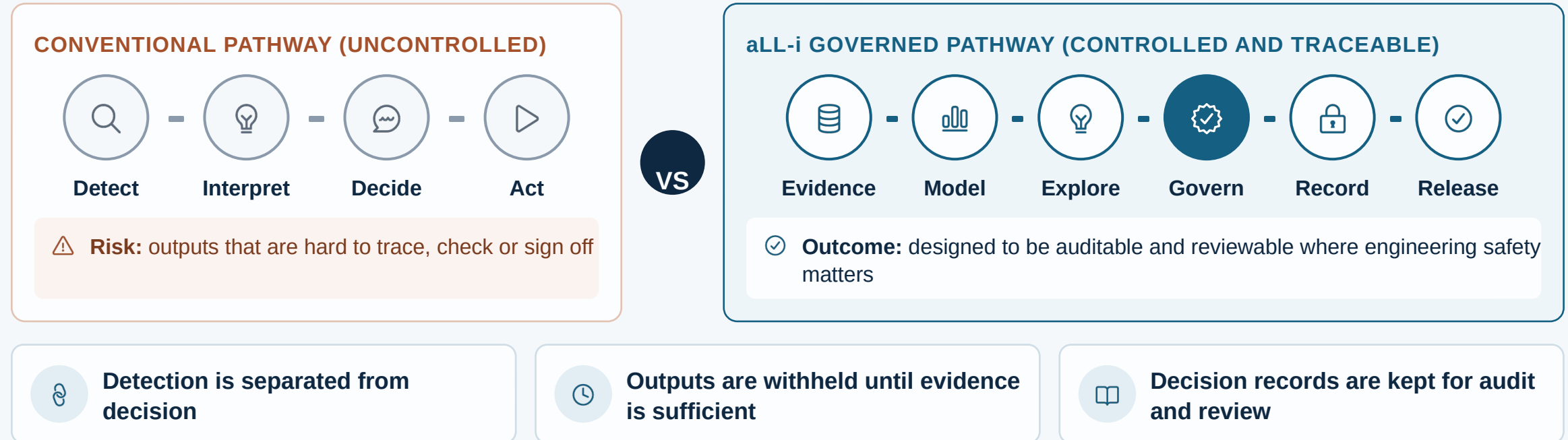
Supersedes: v0.3 DRAFT, 14 Oct 2026.



Research-led reinvestment in people, infrastructure, further R&D and shared knowledge.

Why engineering needs governed AI

Conventional AI pathway versus the aLL-i governed pathway

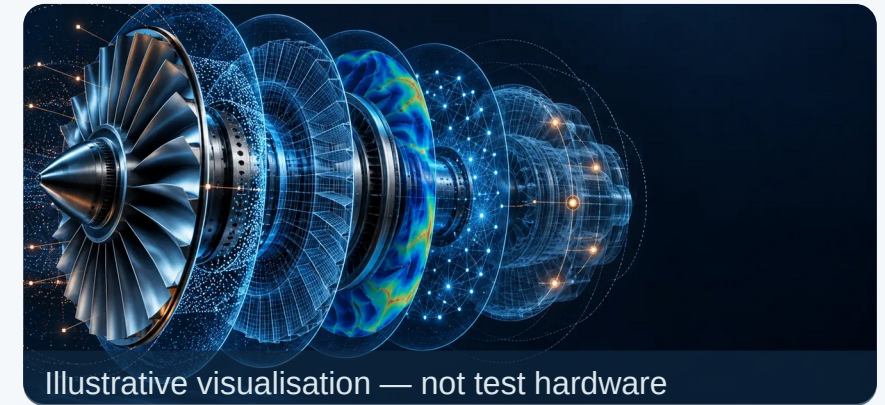


✅ The core difference is control: AEGIS governs whether an output may inform a decision.

The Thinking Value Chain

Seven layers from evidence to an authorised engineering action

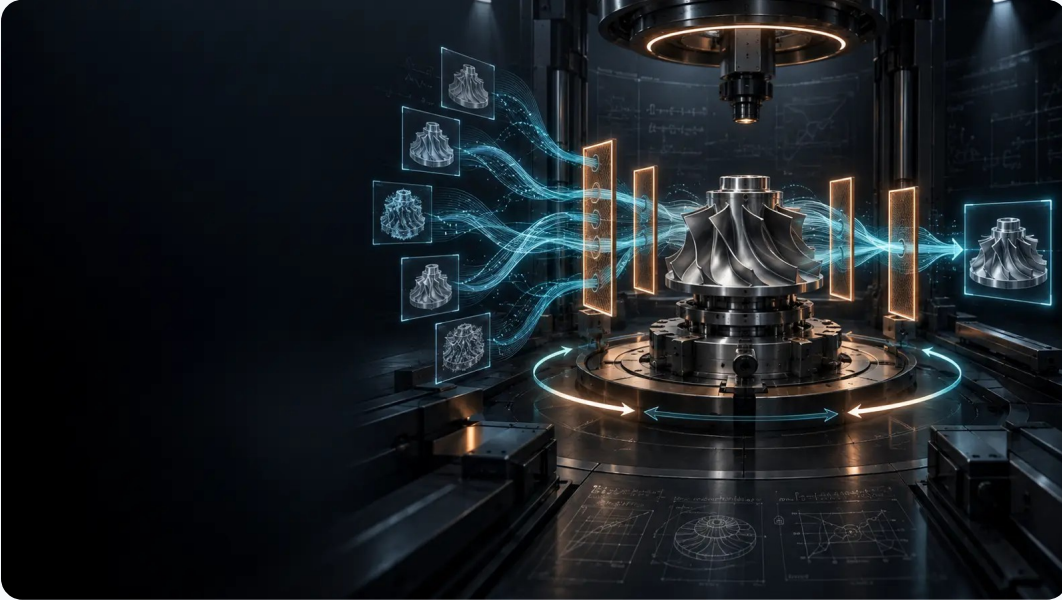
TVC connects evidence to an authorised engineering action while preserving the reasoning behind each decision. AEGIS reviews the chain and K-Ledger™ records it. The architecture and its reusable implementation remain under development.



✓ Evidence-gated and reviewable at every layer, with release under human authority.

AEGIS governed decisions

The Agentic Epistemic Workflow for governed engineering decisions



Illustrative visualisation — not deployed or test hardware.



Evidence first

Assumptions and records stay visible first



Physics aligned

Models and agents work inside engineering limits



Human authority

Accountable people approve or withhold each release



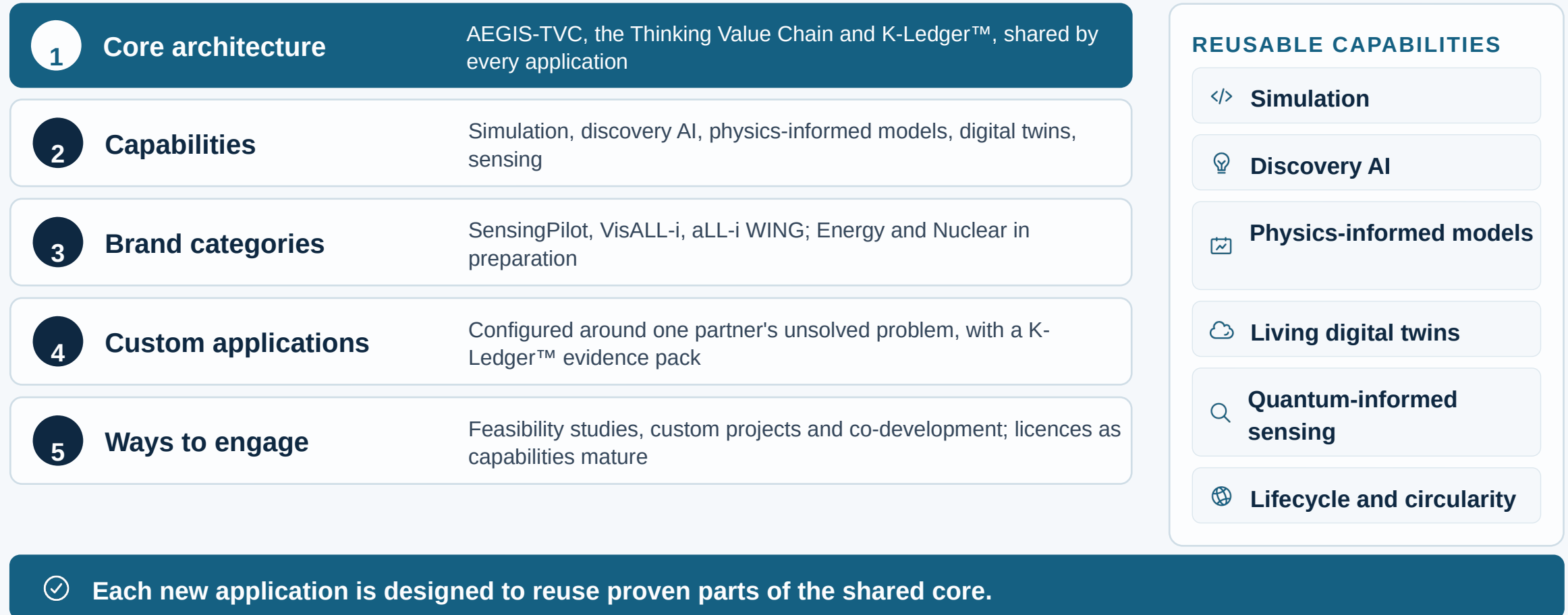
K-Ledger™ provenance

Models, data, assumptions and validation on record

✓ Accountable engineers decide whether an output may inform a decision.

One engineering technology ecosystem

One governed core, configured for every partner



Five brand categories, one governed core

Three named categories, two in preparation, each at its own stage

IN DEVELOPMENT

SensingPilot

Sensing and measurement

Development direction for measurement and inspectable information.

QuESTran: closed virtual-sensing feasibility work, 2026.

IN DEVELOPMENT

VisALL-i

Visual intelligence

Development direction for inspectable visual evidence.

CONCEPT

aLL-i WING

Civil aerospace and advanced structures

QVP-SubWing: concept direction for structural evidence and virtual-to-physical validation.

IN PREPARATION

Energy

Storage and conversion

everlast: historical battery demonstrator research. Future storage and conversion work is an ambition.

IN PREPARATION

Nuclear

Civil fusion, plasma and SMR

Bounded materials and component research directions, our longest-cycle area.



Energy and Nuclear brand names will be chosen and announced. Further applications are named publicly once each has its own scope, maturity statement and validation evidence.



Every brand is designed to run on the shared AEGIS-TVC core.

Feasibility evidence: QuESTran

A governed virtual-sensing feasibility study for transport integrity

Closed in March 2026 under a Contracts for Innovation feasibility contract, QuESTran demonstrated a workflow from scenario to evidence-traceable output for EV and rail integrity.



OUTCOME LOGIC

- ✓ Accepted for decision support on sufficient evidence
- ⌚ Withheld pending further evidence where it is not
- 📖 Evidence-traceable output, with a K-Ledger™ audit trail



Illustrative visualisation from the QuESTran external booklet.

- ✓ Detection informs the process; governance decides if it may support a decision.

Frontier work under way

Governed discovery for materials and for SME manufacturing

OCTOBER TO DECEMBER 2026

I-MAG/ARC: governed generative AI for rare-earth magnet discovery

Research aim: use physics-constrained generative AI to explore magnetic design spaces, checking micromagnetic, thermodynamic and manufacturability constraints, beyond composition-driven optimisation and with demanding applications such as fusion in view.



Generate
candidates



Apply physics



Manufacture
check



Admit or withhold



SEPTEMBER 2026 TO FEBRUARY 2027

ReALL-i™: resource-efficiency twin for SME manufacturing

Feasibility research into AI-orchestrated resource and energy efficiency for SME drive systems, including motors and pumps.

✓ Research aim: discovery beyond composition-driven optimisation, governed by physics first.

Eight focus areas, staged entry

Near-term effort on funded materials and manufacturing questions

ACTIVE RESEARCH

Materials discovery

Magnetic materials and candidate architectures · I-MAG/ARC

IN DEVELOPMENT

New AI technologies

Domain methods, governance and useful reasoning · AEGIS-TVC

RESEARCH RECORD

Transport

Integrity, sensing and maintenance research · QuESTran

RESEARCH RECORD

Energy

Storage, conversion and resource performance · everlast

DIRECTION

Aerospace

Structures and validation evidence

DIRECTION

Automotive

Components, manufacturing and lifecycle questions

DIRECTION

Civil nuclear

Bounded materials and component research

DIRECTION

STEM education

Verified examples for learning and experimentation

 **Across the areas:** resource efficiency in SME manufacturing, through ReALL-i™ active feasibility research.

✓ **Entry rule:** a defined problem + relevant expertise + suitable data + a validation partner + funded capacity.

✓ **Focus areas describe intended scope, not a validated product in every sector.**

A documented research foundation

Research history that supports the next stage of validation

5

documented funded projects: three closed, two under way in October 2026



2022–2023

aLL-i engineering framework

Cloud living digital twins ·
Innovate UK

Closed Feb 2025

Everlast™

Battery demonstrator ·
Innovate UK, DCMS Create
Growth

Closed Mar 2026

QuESTran

Virtual sensing feasibility for
transport integrity

Sep 2026–Feb 2027

ReALL-i™

Resource-efficiency twin for
SME drive systems

Oct – Dec 2026

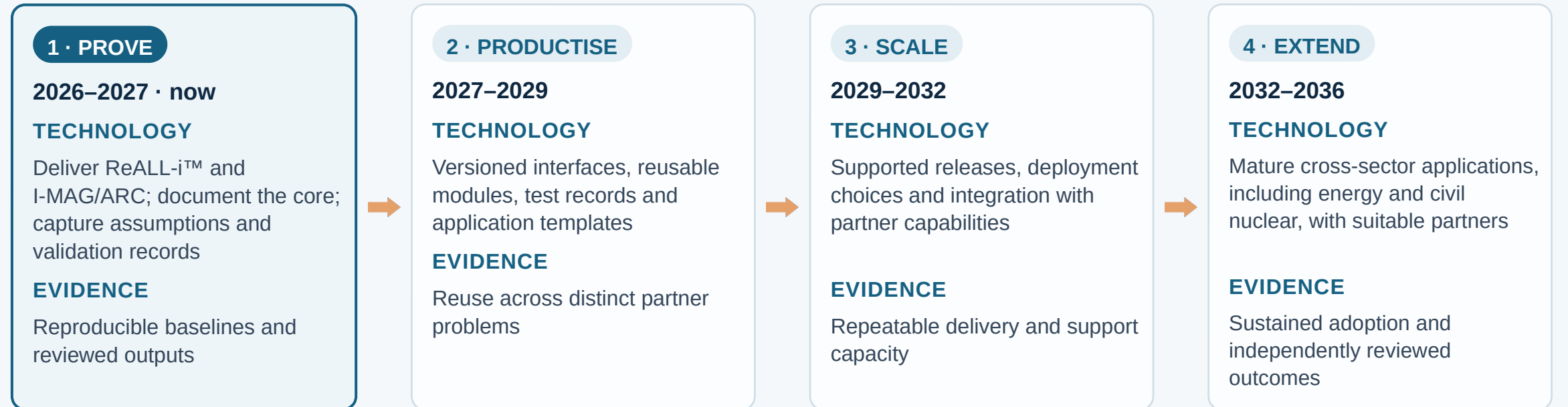
I-MAG/ARC

Governed generative AI for
magnet discovery

✓ From cloud digital twins to governed generative AI in five funded projects.

The technical route, 2026–2036

Four phases, each building on reviewed evidence



➔ **Proposed progression:** reviewed study → reusable capability → supported application → broader deployment. Dates are a planning horizon, not a release authorisation.

✓ **Each phase begins when the evidence from the last has been reviewed.**

Work with us

Four ways in, starting with one focused feasibility study

1

Use a featured application

Where a suitable application exists, we configure it around your data and question

2

Commission a custom application

We build a discovery application around your unsolved challenge

3

Co-develop a capability

We jointly build and validate it, with public co-funding where suitable

4

Join the ecosystem

Your technology, data or sensing becomes a capability inside it



Agreed before work starts: background IP, foreground results, licences, data access and publication rights, within an agreed scope.

WHO WE WORK WITH



OEMs and Tier 1



Start-ups



SMEs



Government agencies



Universities



Funders



Investors



We suggest starting with one focused feasibility study on one problem.

ALL-I@ MOVEO LTD

Bring us the problem standard tools cannot solve

- 1 **Share the problem** and what success would look like
- 2 **Scoping conversation:** focus area, application and way of working
- 3 **Proposal:** a feasibility study, custom application or co-development plan

allimoveo.com

Design for life. Engineer with trust.

