



ATRISI

RESEARCH & INNOVATION FOUNDATION

ACADEMIC TRANSFORMATION · CATALOGUE 01

AI-native engineering education with partner universities.

A practical pathway from final-year readiness to institution-wide academic transformation.

Degrees stay with
your institution.

atrisi.org

AI is changing the definition of engineering.

Not because new tools have appeared. Because the way capability is built has fundamentally changed.



From passive completion to visible capability.

01 How do we teach systems that evolve monthly?

02 How do we measure capability instead of completion?

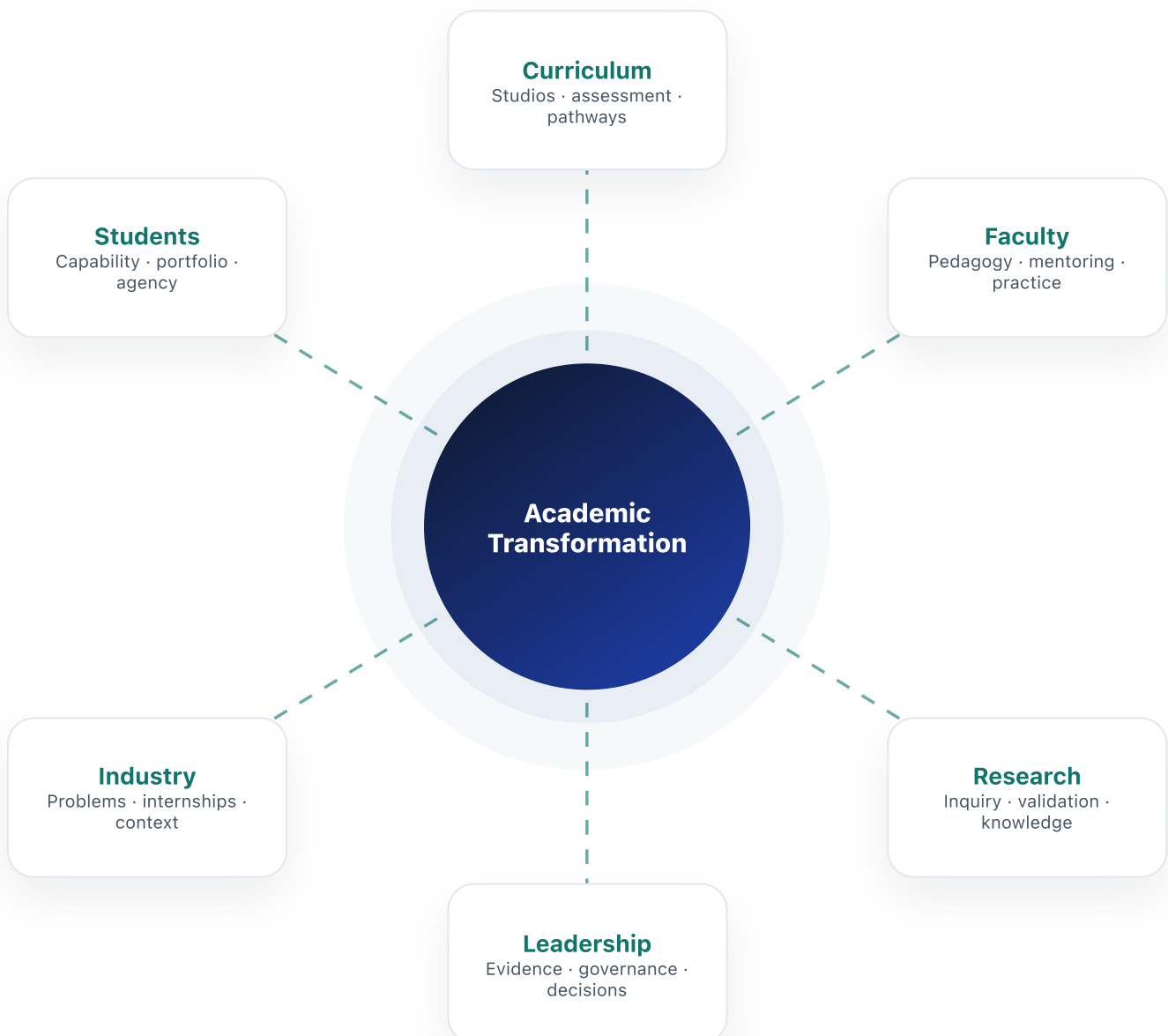
03 How do we prepare graduates for roles that do not yet have stable job descriptions?

ATRISI helps institutions answer these questions as a framework and evidence partner—while degrees stay with the university.

Begin deliberately. Learn from evidence. Scale what works.

Transformation happens when the whole ecosystem learns together.

Not as isolated workshops, tools, or placement initiatives—but as connected academic capability.



The story of this catalogue: capability flows through people, programmes, academic structures, evidence, and decisions—and returns stronger each cycle.

Our role in your institution

You keep the institution. ATRISI contributes the infrastructure for transformation.

YOUR INSTITUTION

Authority & identity

Degree authority

Brand & admissions

Faculty & governance

Students & research

Accreditation



ATRISI

Framework & evidence

ATRISI Academic Framework

Capability programs

Faculty enablement

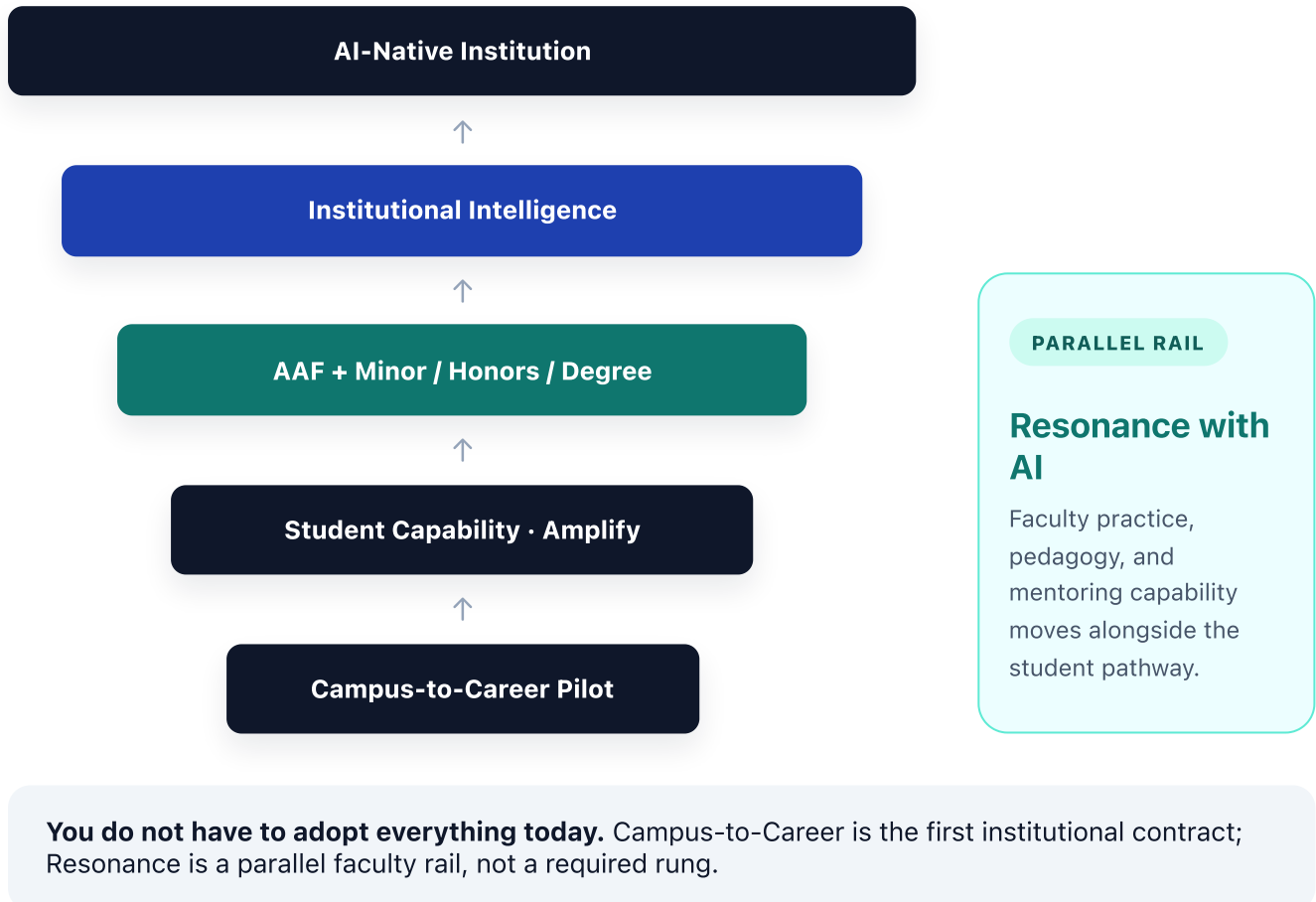
Platforms & evidence

Industry linkage & intelligence

Role lock: ATRISI is a framework, platform, enablement, and evidence partner—not a degree-granting institution.

The Academic Transformation Ladder

Every institution can start at the bottom and climb at its own pace.



From a student experience to an institutional capability.

Each layer answers a different academic question. Together, they create a system that can improve over time.

Experience	Studios, projects, internships, research, and career preparation.	What learners do
Capability	Amplify for students; Resonance for faculty practice and mentoring.	What people can do
Academic design	AAF curriculum, studio, assessment, research, industry, evidence, governance.	How learning is designed
Platforms	Execution and orchestration that operationalize the framework.	How work moves
Evidence	Artifacts, experience signals, research outputs, and career indicators.	What can be observed
Intelligence	Leadership-facing patterns that inform the next academic decision.	How learning compounds

Programmes develop capability. Frameworks create coherence. Evidence enables institutional learning.

A clear start. A credible expansion path.

01

Start with a pilot

A final-year cohort creates a focused, evidence-bearing first engagement.

02

Learn from evidence

Capability artifacts and experience signals reveal what to strengthen next.

03

Scale deliberately

Move from cohort to department, institution, and academic partnership.

Multi-year partnership logic—without a forced big-bang purchase.

Student pathway

Campus-to-Career → Amplify → AAF academic realizations → institutional intelligence.

Faculty pathway

Resonance builds practice and mentoring capability in parallel with student adoption.

C2C

Campus-to-Career
Institutional entry

AWAI

Amplify with AI
Student capability

RWAI

Resonance with AI
Faculty capability

4Y

AI-Native Engineering
Partner degree pathway

What you can adopt

OFFERING	WHO IT SERVES	ROLE / FIRST OUTCOME
Campus-to-Career	Final-year cohorts, TPOs, Deans	One-year institutional entry; portfolio evidence and placement-readiness systems.
Amplify with AI	Students across CS and non-CS streams	AI-native capability and applied intelligence; builder workflows and capstones.
Resonance with AI	Faculty and FDP coordinators	Practice and mentor tracks; pedagogy redesign and capstone mentoring.
AAF modules	Academic leadership	Curriculum, studio, assessment, research, industry, evidence, and governance.
4-year AI-Native Engineering	Partner universities, students, parents	Eight-semester, partner-delivered degree pathway under AAF; the university awards the degree.
Minor / Honors	Partner universities	Modular partner-delivered academic realizations of the ATRISI Academic Framework.
Institutional Intelligence	Academic and executive leadership	Evidence to reporting to compounding institutional learning.

This is the catalogue view, not a statement of work. Detailed scopes are defined with the institution.

Four years of AI-native engineering

1

Engineering Foundations

Core engineering, studio practice, and builder habits.

2

Data & AI Foundations

Data systems, machine-learning intuition, and applied intelligence workflows.

3

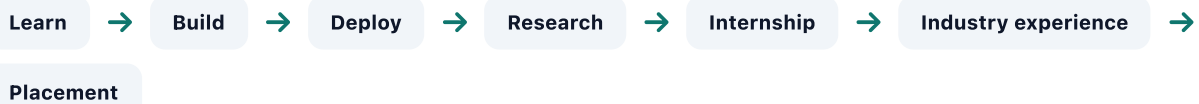
AI Systems Engineering

Intelligent system design, deployment, and evidence-driven projects.

4

Autonomous Engineering

Industry residency, institutional intelligence, and a graduation portfolio.



Pathway detail is planning direction until validated with a partner institution. Degrees remain partner-delivered; no placement guarantee is implied.

Seven dimensions of an academic system.

AAF gives institutions a modular way to connect what is taught, how it is practiced, and how improvement is evidenced.

01

Curriculum

Current capability mapped into coherent academic pathways.

02

Studio

Learning through building, critique, iteration, and deployment.

03

Assessment

Evidence of capability—not completion alone.

04

Research

Inquiry connected to programmes, platforms, and practice.

05

Industry

Problems, mentors, internships, residencies, and context.

06

Evidence

Observable artifacts and signals for learners and leaders.

07

Governance

Roles, review rhythms, decision rights, and responsible adoption.

↗

Adopt modularly

Begin with the dimensions your institution is ready to strengthen.

Platform-independent by design: the framework is not locked to a single LMS, vendor, or AI tool.

Move beyond exposure. Build experience with context.



Real problems create a bridge between studios, research, internships, and industry practice.

Problem context

Industry and societal problems give technical work purpose and constraints.

Applied research

Inquiry validates ideas and turns project learning into reusable knowledge.

Experience evidence

Artifacts capture what learners built, tested, deployed, and learned.

From interest to degree embedding



AAN relationship maturity

Design Partner → Implementation Partner → Academic Partner → Transformation Partner → Network Partner

Two distinct views: the capability ladder describes what the campus builds; relationship maturity describes how deeply ATRISI and the institution partner.

Measure what can be observed. Label what is inferred.

Capability evidence

Assignments completed, projects deployed, portfolio artifacts.

Experience evidence

Internship completion, role exposure, project context.

Research evidence

Submissions, publications, proposals, validated inquiry.

Career evidence

Interview-readiness signals, observed offers, role alignment.



Observe

Capture

Structure

Retrieve

Reason

Improve

Feed back

Evidence guardrails

- No guaranteed job or salary language.
- Planning targets remain targets until observed.
- Public statements follow ATRISI claim levels: observed, derived, inferred, or editorial.

Choose the right way to begin

C2C Pilot	One-year institutional entry.
Department	One school goes deeper.
Institution-wide	Cross-department coherence.
Academic Partnership	Minor, Honors, or degree embedding.
Faculty parallel	Pedagogy moves with students.



First conversation: define the cohort, capability outcomes, evidence posture, and internal owner.

A partnership designed to compound

01

You retain degree authority and institutional brand.

02

You gain a reusable academic framework—not a one-off project.

03

Students and faculty move on connected, clearly separated pathways.

04

Evidence turns program activity into leadership-usable intelligence.

05

The ladder provides a multi-year path without forcing an all-in purchase.

**Frameworks over projects. Intelligence over automation.
Evidence over opinion.**

What this means for you

Students

Build capability through studios, projects, research, internships, and portfolio evidence.

Parents

See a credible pathway from learning to experience and career readiness—without inflated guarantees.

Faculty

Strengthen pedagogy, assessment, studio critique, and mentoring through Resonance with AI.

Leadership

Turn programme activity into evidence, governance rhythms, and better academic decisions.

Glossary of abbreviations

AAF	ATRISI Academic Framework	AAN	ATRISI Academic Network
AITF	ATRISI Institution Transformation Framework	C2C	Campus-to-Career
FDP	Faculty Development Programme	HoD	Head of Department
IQAC	Internal Quality Assurance Cell	PBAR	Platform-Based Applied Research
TPO	Training and Placement Officer / Office	AI-native	Designed around evolving intelligent systems, human capability, evidence, and responsible use.

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A FOCUSED FIRST STEP

Let's start with Campus-to-Career.

A one-year institutional entry designed around capability, portfolio evidence, and a learning loop your leadership can use.

01 · DISCOVER

20-minute strategic conversation

02 · DESIGN

Cohort, outcomes, and evidence

03 · IMPLEMENT

Run the year with reporting

04 · SCALE

Department to partnership

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