

The TLC is no longer – we are
now

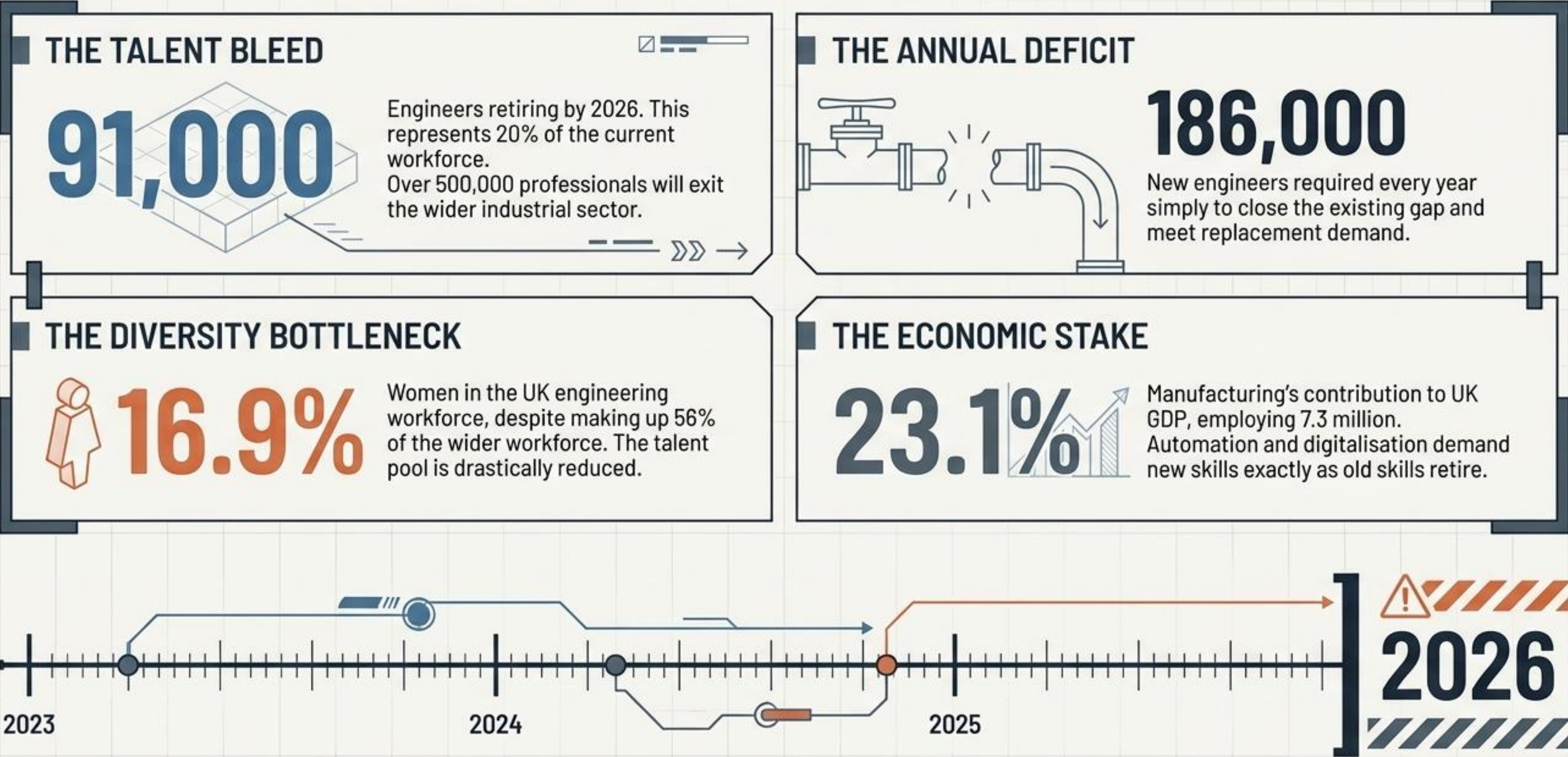




The South Durham Blueprint

Engineering the Future of the UK Manufacturing Workforce

THE COUNTDOWN TO 2026



THE REQUIRED PARADIGM SHIFT



THE STATUS QUO		THE SOUTH DURHAM TRIAL PARADIGM	
TEACHER KNOWLEDGE	Outdated, classroom-bound, disconnected from modern factory floors.	Industry-current	specifically aligned to T-Level Engineering & Manufacturing (supporting the 5,600+ passes).
CONTENT DELIVERY	Text-heavy, abstract theory, inaccessible hazard zones.	Rich media	short-form video capturing safe digital delivery of modern manufacturing.
INDUSTRY INTERACTION	Siloed, occasional generic careers fairs.	Integrated ecosystem	with 1/2 day industrial experiences, masterclasses, and 'Ask the Employer' pathways.
STUDENT PROGRESSION	Ambiguous pathways, invisible to local employers.	Direct SME visibility	via the verified 'Genius Pool' Skills Passport.

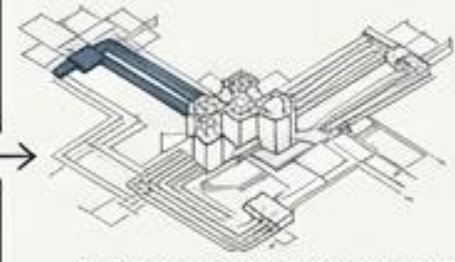
THE GENIUS POOL HUB: A SYMBIOTIC REGIONAL ENGINE



**THE SOUTH DURHAM TRIAL IS NOT A SERIES OF ISOLATED FEATURES;
IT IS A SYMBIOTIC, SELF-SUSTAINING REGIONAL ENGINE.**

NODE 1: EMPOWERING THE EDUCATOR

WAYFINDING →



1: EMPOWERING EDUCATORS

THE TEACHER PORTAL



Unlocking T Level delivery in Engineering and Manufacturing through professionally produced, safety-compliant industrial video. All lesson needs to support the teacher will be made available via the portal.

BRINGING ADVANCED MANUFACTURING INTO THE CLASSROOM SAFELY.

EQUIPPING TEACHERS WITH THE ACCESS AND KNOWLEDGE TO MAKE THEIR ROLES EASIER, WITHOUT TEACHING THEM HOW TO TEACH.

PROFESSIONALISING THE SECTOR THROUGH ACCREDITED CPD VALIDATED BY EDUCATION PARTNERS.



The Educator's Capability Loop

WAYFINDING



01. ACCESS

Teacher logs into the Portal to absorb industry-current video content.

02. IMMERSION

Teacher attends a structured 1/2 day industrial experience session at a local manufacturing site.

03. SYNTHESIS

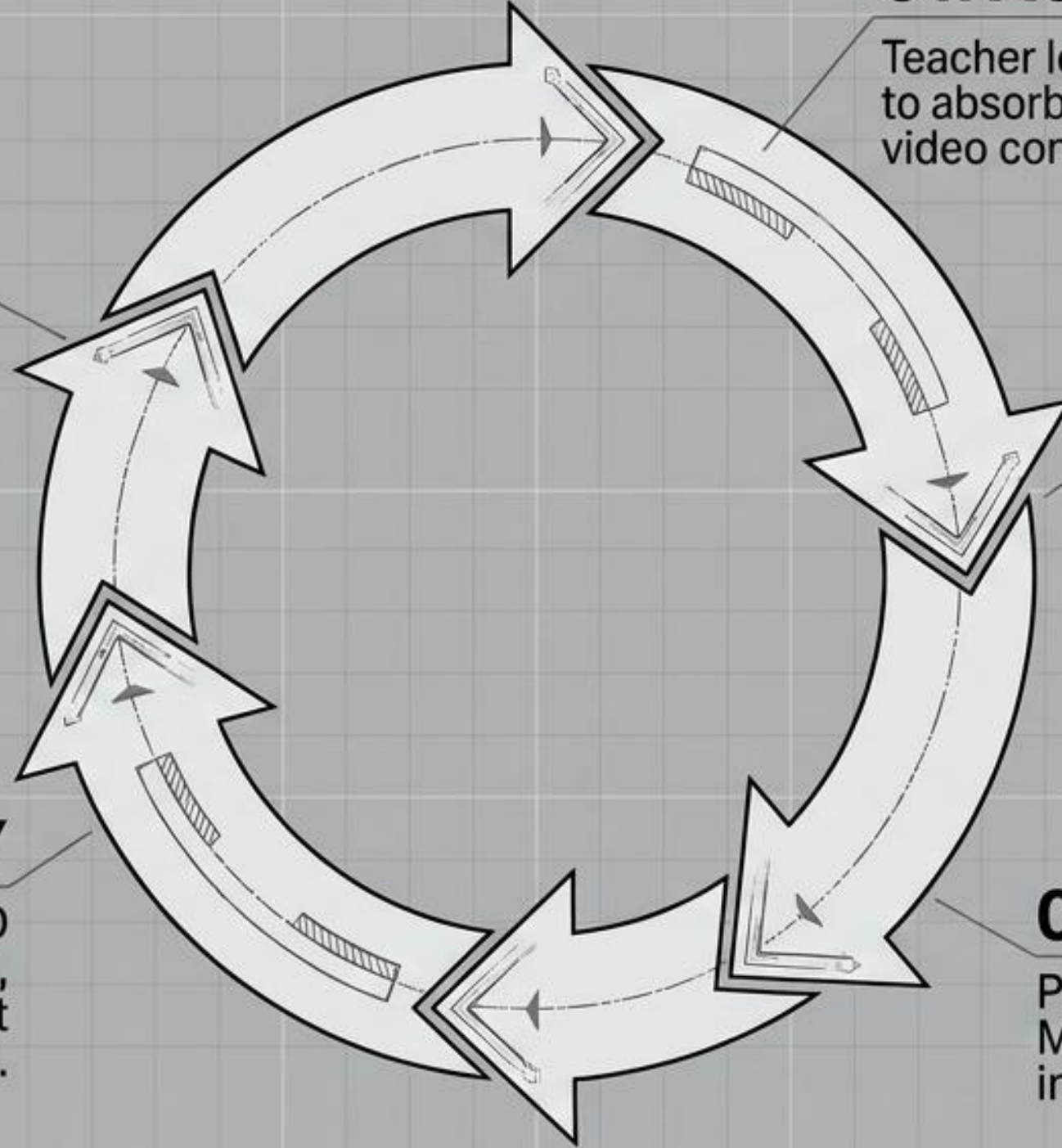
Participation in regional Masterclasses, bringing together leaders in pedagogy and industry.

05. DELIVERY

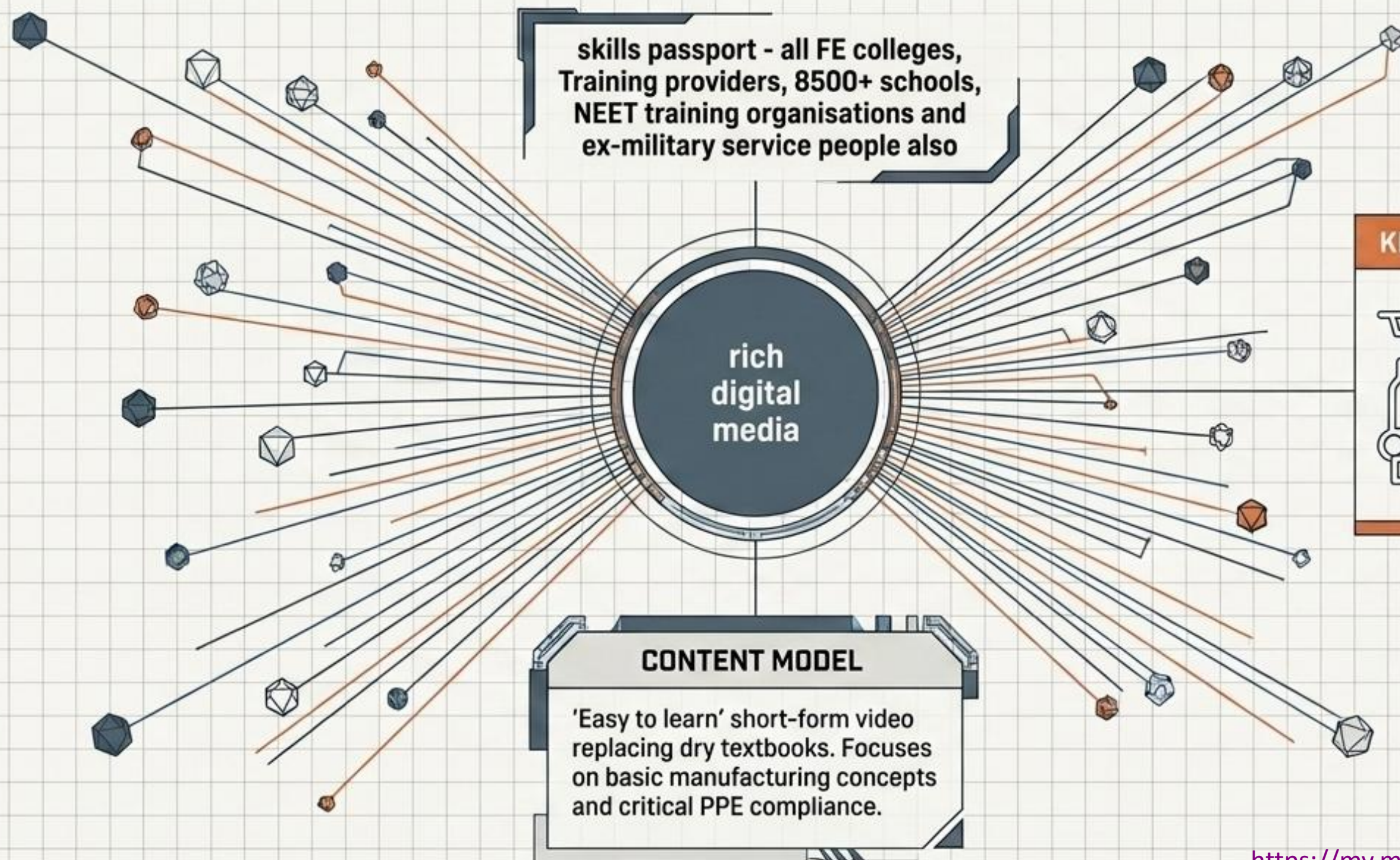
Gaining Accredited CPD and delivering highly relevant, enhanced T Level content back in the classroom.

04. DELIVERY

Gaining Accredited CPD and delivering highly relevant, enhanced T Level content back in the classroom.



NODE 2: THE COMMON LEARNING PLATFORM

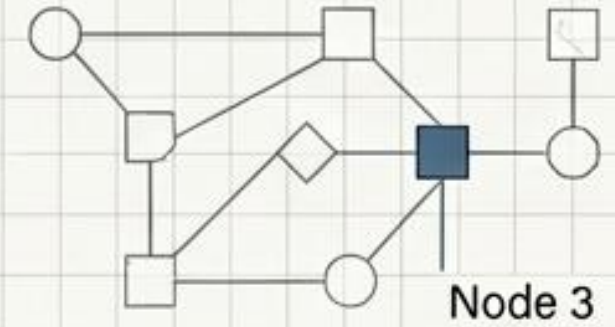


NODE 2: THE COMMON LEARNING PLATFORM

[TTF instructions](#)

<https://my.matterport.com/show/?m=eRf8KzRsLgr>

NODE 3: THE GENIUS POOL SKILLS PASSPORT



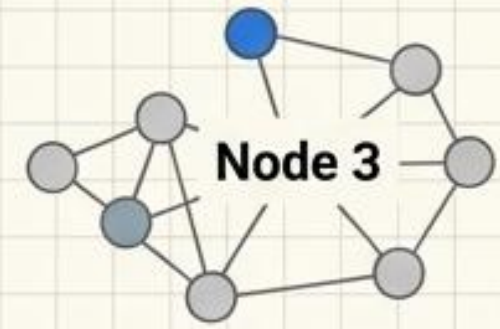
Successful students elevate themselves into the Genius Pool. Local SMEs can directly browse these passports to identify primed, proactive talent for immediate vocational training, drastically reducing recruitment friction.



ELECTRONIC-ONLY CODED VIEW

STUDENT 'A'	🔒	VIEW PROFILE
STUDENT 'B'	🔒	VIEW PROFILE
STUDENT 'C'	🔒	VIEW PROFILE

ACTIVE PATHWAYS & DIVERSE TALENT



'ASK AN EMPLOYER' VIA THE TLC MODERATOR

Classroom Queries
(Students & Teachers)



TLC Hub Moderator



Local Industry
Professionals

Breaks down
classroom isolation by
fostering real-world
mentorship and
direct Q&A.

HOW TO ATTRACT MORE FEMALES INTO E&M

Addressing the 16.9% Gender Gap



TLC actively collaborates with organizations like WISE and uses the Genius Pool to early-spot and nurture diverse female talent, creating direct pathways into the E&M sector.

The South Durham Pilot Activation Blueprint

Funding Requirement: £35,000 to reach Pilot.



Curriculum Alignment

Funding a teaching professional to design content that perfectly **aligns** with the existing **T Level curriculum framework**.

Industrial Content Capture

Content delivery, gathering, and editing of **high-quality video content** within an active industrial setting (match funded).

Learner Adaptation

Developing the student-focused version of the content for the Common Learning Platform and NEET consumption.

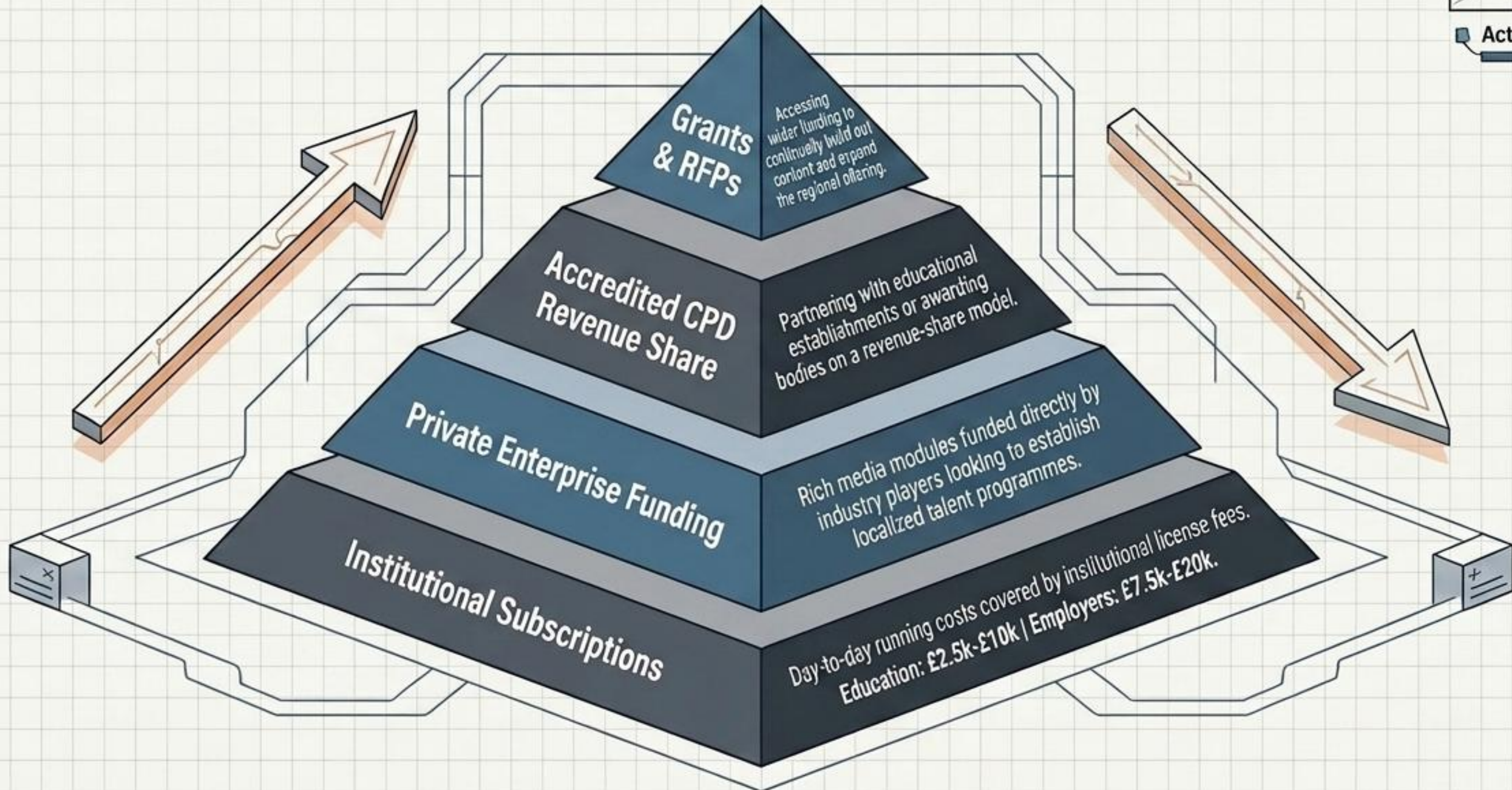
Masterclass Framework

Developing the structured delivery plan for a regional masterclass day, fully supported by an industry partner.

Post-Pilot Scalability: A Self-Sustaining Engine



Activation Node



Genius Pool Potential Members

