UK Atomic Energy Authority

16th Suppliers' Event

23 April 2026

UK Atomic Energy Authority

Welcome, Mission and Highlights

Tim Bestwick, Interim CEO

Housekeeping

UK Atomic Energy Authority

No fire alarms are scheduled for today.

This is a hybrid session.

Virtual Attendees: Online presentations (only).

In-Person Attendees: Presentations will take place in the JALT, followed by lunch, exhibition booths, workshop and networking in the C7 building.

Presentation slides will be distributed after the event.

We will send out a feedback form post-event. Please fill this out and help us improve our engagement activities.

Agenda

10:30 to 12:40 | Presentations

Welcome, Mission and Highlights, Tim Bestwick - Interim CEO
Culham Campus Updates, Keith Fraser - Head of Infrastructure and Development
Updates on LiBRTI, Blankets, Research & Materials, Amanda Quadling - Executive Director of Materials, Blankets and Research
Strengthening Cyber Security, Justin Kingsford - COO
Supply Chain Cyber Security, Andrew Hynes - Director of Computing Operations
Updates on UK Fusion Energy Ltd., Sho Dutta - Commercial and Supply Chain Director
Updates on Health & Safety, Suzie Melvin - Head of Safety, Health and Environment
Updates on JET Decommissioning & Repurposing (JDR), Zac Scott - Director of JET Decommissioning and Repurposing
Updates on Robotics and Artificial Intelligence Collaboration (RAICo), Pete Gillham, Head of Operations
Commercial Updates and Closing Remarks, Paula Barham - Director of Commercial

12:40 to 14:10 | Networking Lunch
12:40 to 15:00 | Exhibition Booths
13:30 to 14:15 | Workshop: New ways to work with UKAEA on Research and Development projects
13:30 to 14:30 | Quick Talks – Commercial Edition
15:00 to 15:30 / 15:40 to 16:10 | JET Site Tours

UKAEA Group: Mission, Roles and Strategic Goals

UKAEA National Fusion Laboratory's role

Deliver foundational research, technology and innovation in support of the UK fusion sector through world-leading fusion expertise and capability.

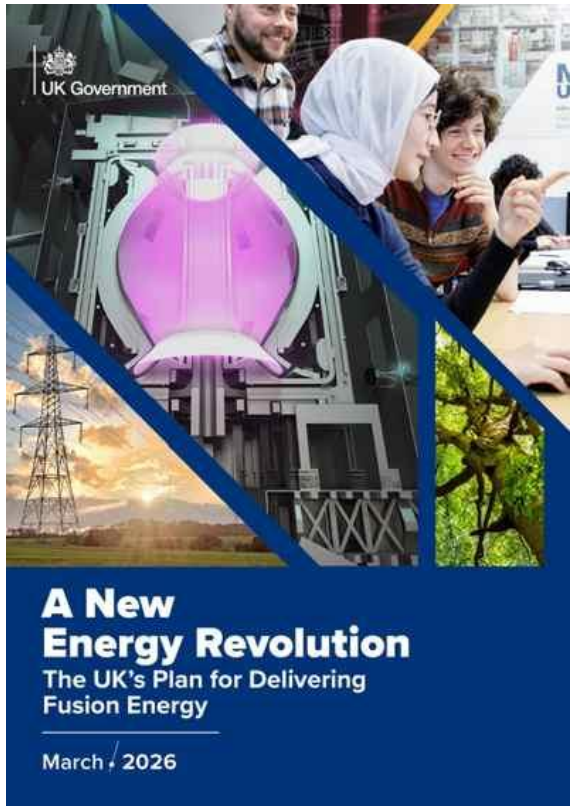
UK Fusion Energy's role

Deliver STEP and successive fusion power plants by acting as a national fusion systems integrator and working with industrial partners to develop and deploy the technologies and capabilities required.

The UK's Plan for Delivering Fusion Energy

UK Government

UK Atomic Energy Authority



Published on 16 March, the Government's UK Fusion Strategy sets out a clear plan for how the UK will continue to build an industry to remain at the cutting edge of fusion development, supported by the £2.5 billion fusion settlement to 2030:

- **A world-first fusion market framework**, including the development of a new Fusion National Policy Statement.
- **Development of the STEP prototype fusion power plant**, £1.3 billion of funding, including a £200m construction partner contract.
- **Investment in advanced computing for fusion**, including the £45 million Sunrise fusion-dedicated AI supercomputer, as part of the wider Culham AI Growth Zone.
- **Strengthened international collaboration**, including new partnerships linked to the H3AT tritium fuel cycle facility.
- **Support for fusion skills worth £50 million**, supporting training for over 2,000 people and **the launch of a UK fusion investment prospectus**.

UKAEA National Fusion Laboratory:

Our strategy sets out flagship activities and objectives through to 2030, based on our technical capabilities and structured around four strategic themes:

RESEARCH
High-impact science underpinning fusion delivery

COMMERCIALISATION
Turning UKAEA innovation into UK economic value

INTERNATIONAL
Global collaboration to share risk and expertise

INDUSTRY
Growing UK supply chain and industrial capability

Delivering this will require **sustained focus, strong collaboration and disciplined execution** - with **clear priorities** guiding how we work over the coming years.

CULHAM CAMPUS

Culham Campus Updates

Keith Fraser, Head of Infrastructure and Development

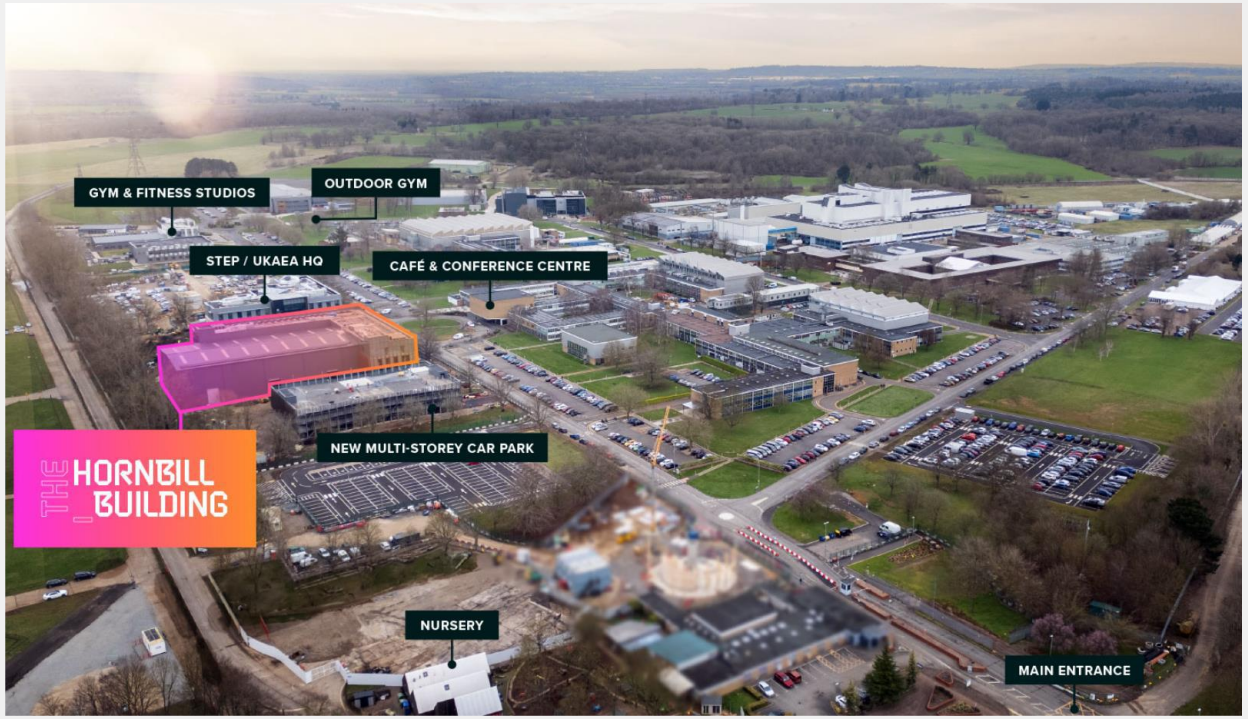
WELCOME TO CULHAM CAMPUS

A HUB OF COLLABORATION, INNOVATION AND SCIENTIFIC PASSION

Culham Campus is at the heart of the **UK's fusion energy** and **AI** innovation sector. As it continues to grow, there's a significant opportunity for forward-thinking suppliers to establish a presence here and collaborate with cutting-edge industries

CULHAM CAMPUS

- UKAEA owns freehold; 77ha/190 acres
- Established **centre for Fusion and AI** with an **international reputation**
- Strong industry connections
- **Growing cluster** of advanced tech companies; ca 40 tenants employing over 1000 people in over 200,000 sq ft of space
- Significant **established amenity**; restaurants, creche, cafes, sports facilities and conferencing
- **Secure site**



OVERVIEW

Location and Accessibility

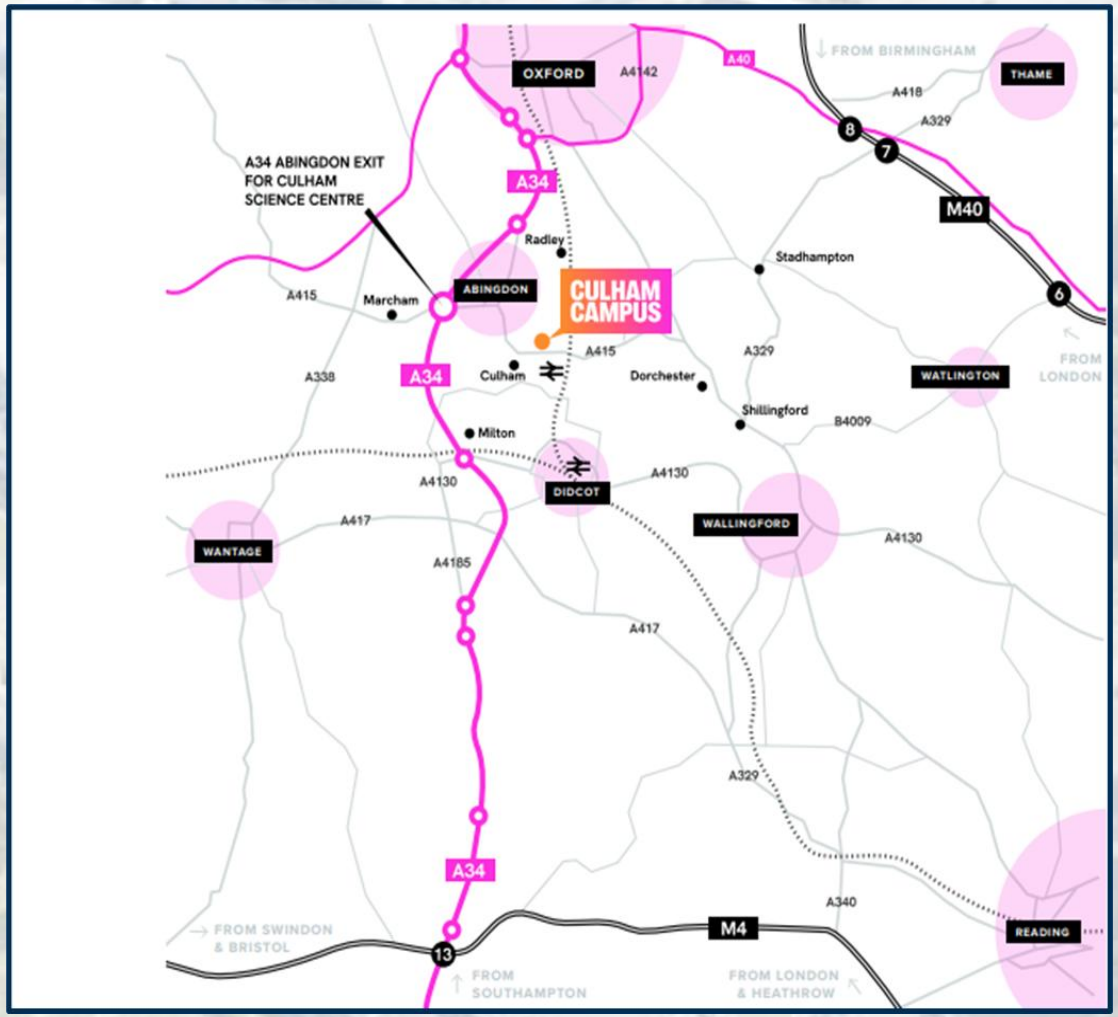
- Excellent public transport links and easy access to the train station
- Will have immediate proximity to the new bypass, making connections even easier

Unique features

- Home to Fusion Research & Facilities (MAST-U and ongoing experiments – Plasma & advanced materials)
- Hub for high tech business with facilities supporting startups and research collaborations
- Home to Robotics and Remote Handling
- Deeply focused on sustainability and Green Innovation
- UKAEA is deeply integrated into international research
- Secure, safe site

Community

- OFSTED rated Excellent, Nursery
- Collaboration areas
- Gym/nature walks/Restaurants/Car share
- 40 commercial businesses

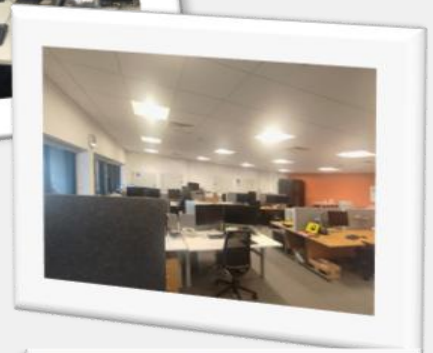


CULHAM AI GROWTH ZONE & STRATEGIC INVESTMENT PARTNER

**AI generated illustration*

- Culham AI Growth Zone will be an **AI & Fusion Centre of Excellence**:
- **AI Growth Zones (AIGZs)** are UK Government designated locations established to accelerate the deployment of largescale AI and advanced computing infrastructure.
- STRIDE (**ST**rategic **I**nvestment and **D**evelopment for **E**nergy) is in the final stages of negotiating a strategic partnership to develop Culham Campus and generate a multi-£m inward investment

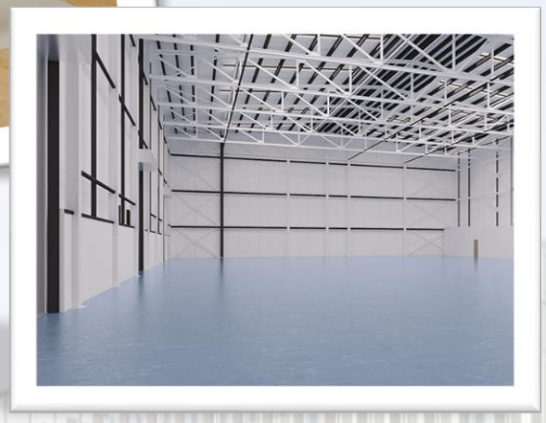
SPACE AVAILABILITY



Whether your business is looking for an accelerator hub or established space on the Campus, Culham has a range of space options **ranging from 114 sq.ft/10.6sq.m to 3,000 sq.ft/279 sq.m.**

- Rent for Culhams smallest spaces start from **as little as £2,000 per Annum!**
- Range of lease lengths from TaW to 10+Years
- Office accommodation from 1,000 sq.ft – 3,000 sq.ft can be secured at annual rents ranging between £35,500 to £62,500.

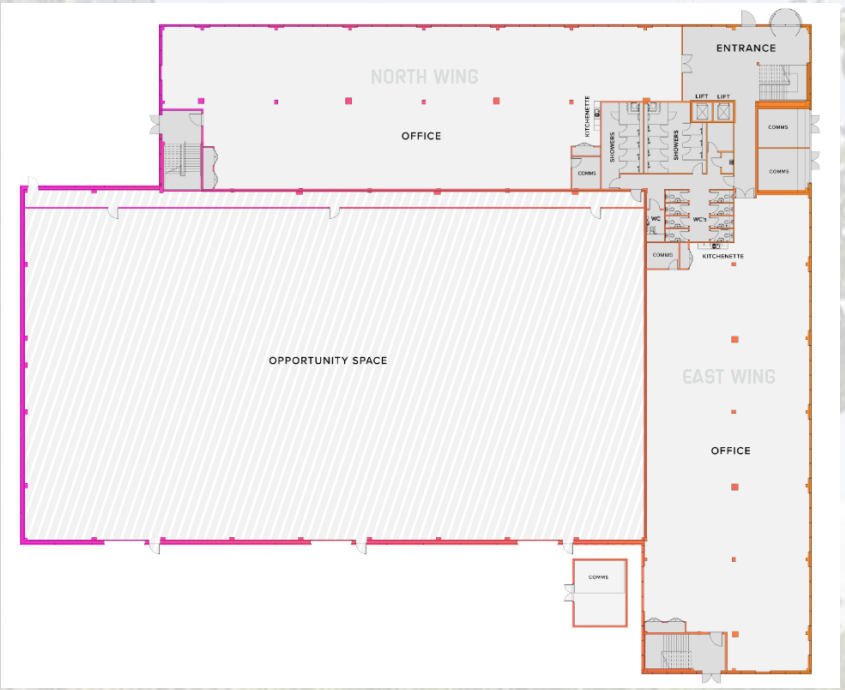
www.thehornbillbuilding.com



Grade A, L shaped office space (69,191 sq ft) wrapped around an industrial hall (22,812 sq ft), the building is split across four floors and focused on providing the best research and development space on Campus.

Outside offers a new shared 262 space multi-storey car park. The Hornbill Building has sustainability at its heart with the intention of driving lower running costs.

Floor	SQ FT (NIA)
Ground	15,625
First	Let
Second	Let
Third	18,032
Total	**69,191**



COLLABORATION SPACES

- **Flexible, modern workspaces** designed to support collaboration, innovation, and productivity, with adaptable layouts for teams of different sizes.

LAB SPACES

- Flexible lab types: wet, dry, and hybrid spaces for diverse R&D needs.
- Customisable layouts to suit changing projects and workflows.
- High-spec, scalable facilities built for innovation and growth.

K1 BUILDING

- Flexible Workspace – Modern, adaptable offices
- Great Amenities – Parking, café, shared facilities
- Flexible Terms – Designed to support business growth

F11 BUILDING

- Flexible workspace – 2,973 sq ft modular ground-floor office
- Move-in ready – meeting room, kitchen, parking
- Prime campus location – part of Culham's fusion

WHY CULHAM CAMPUS?

- **Strategic location** & **business growth** potential
- **Flexible** – cost effective **leasing**.
- Great opportunity for knowledge exchange and **collaboration** between tenants and to be part of the **Fusion Cluster** and **commercial opportunities**.
- Access to world – leading fusion research & facilities.
- **<u>Government & Private Sector Investment</u>**.
- High tech talent pool & recruitment benefits
- Access to communal facilities - Coffee Lounge, restaurants, gym and outdoor green spaces.

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UKAEA

Materials Division

Suppliers Day Update – April 2026

Amanda Quadling, Exec Director – Materials, Blankets and Research

MATERIALS RESEARCH FACILITY

Reminder on scope of activity

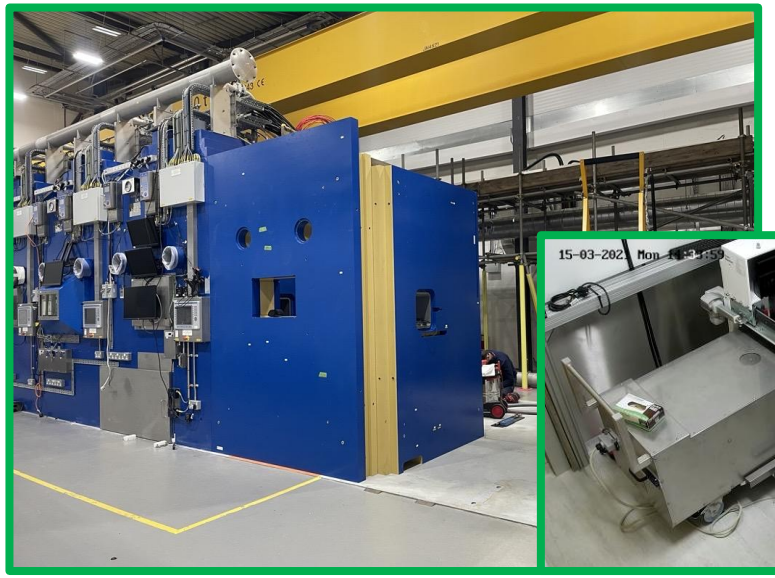
Neutron irradiations

Damage determination

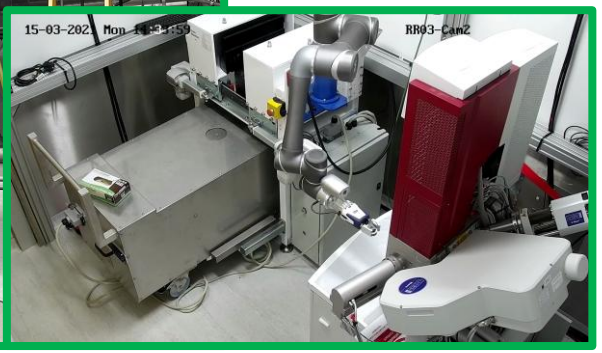
Metals, ceramics, composites and coatings

Better micro-structural design

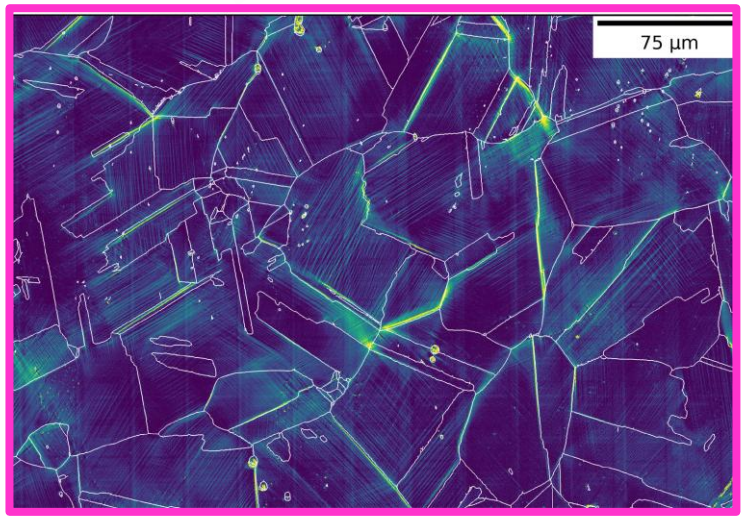
Novel fabrication at scale

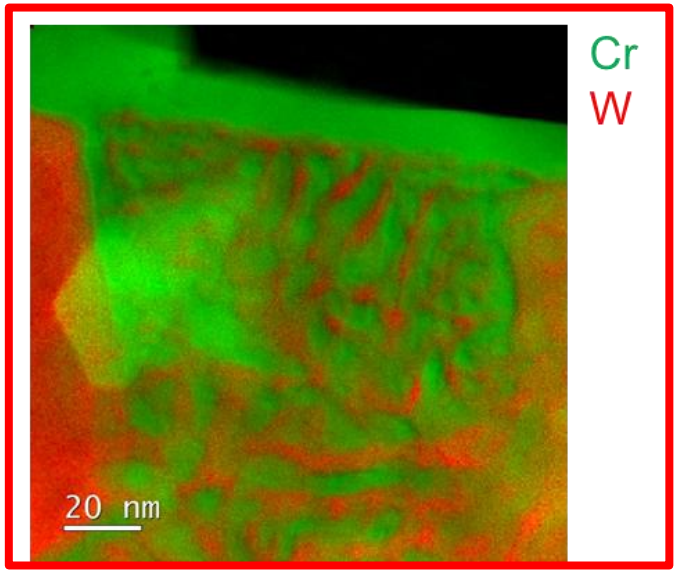


Robotic sample handling



Performance in service (models and experiments)





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Materials Research Facility (MRF)

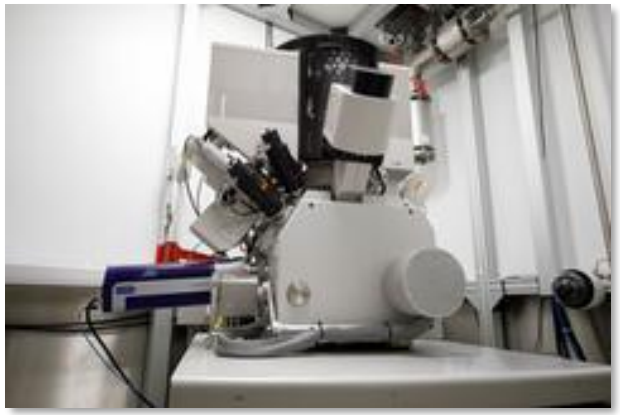
MRF has a new Full Economic Cost of Operation and NEW PRICING LIST

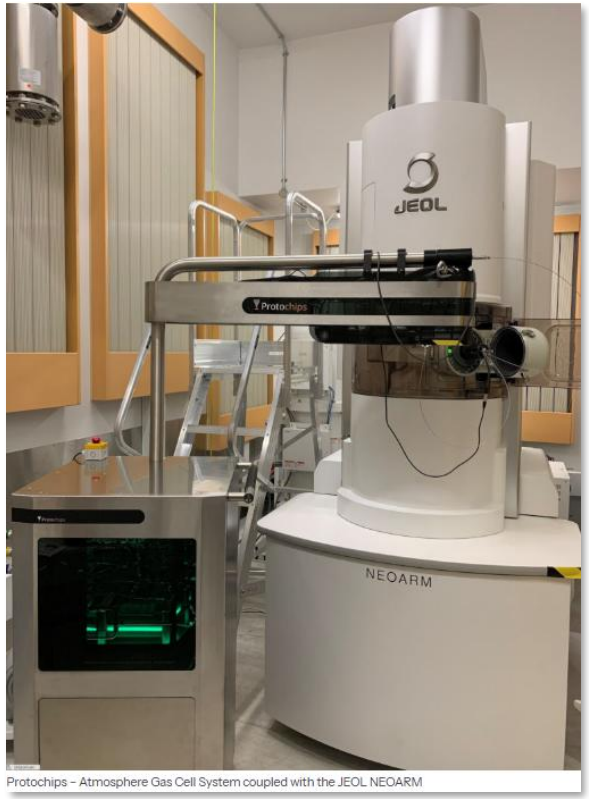
While Full Economic Cost is charged for radioactive samples, there is a 10-20% discount for non-active materials

NEW COMMERCIAL OFFERINGS: rental of shielded test rooms and bays in open lab areas for customer glovebox installations

- 4400m^2 of hot cell, research room, and office space **for Industry and Academic users**
- **Voucher schemes** are useful to subsidise access: watch for NNUF and Royce calls

Find a full list of instrumentation online at: Materials Research Facility Archives | UKAEA Fusion Energy





Protochips – Atmosphere Gas Cell System coupled with the JEOL NEOARM

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Generating irradiated materials

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Materials design → Irradiations design → Post irradiation testing → Modelling pre- and post-experiments → Materials end of life

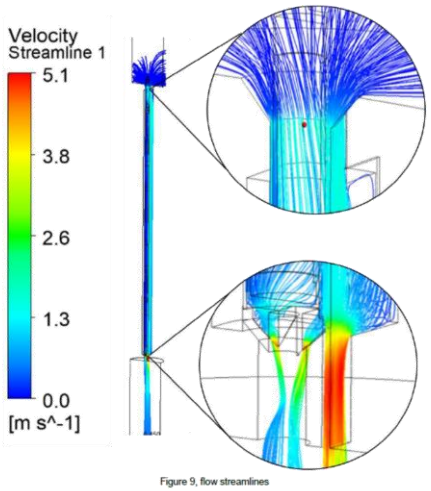

Figure 9, flow streamlines

Calculating thermal profiles for reactor exposure times

Preparing coupons of materials to reactor specification

Designing bespoke sample holders for post irradiation testing

Designing remote control systems for handling active materials

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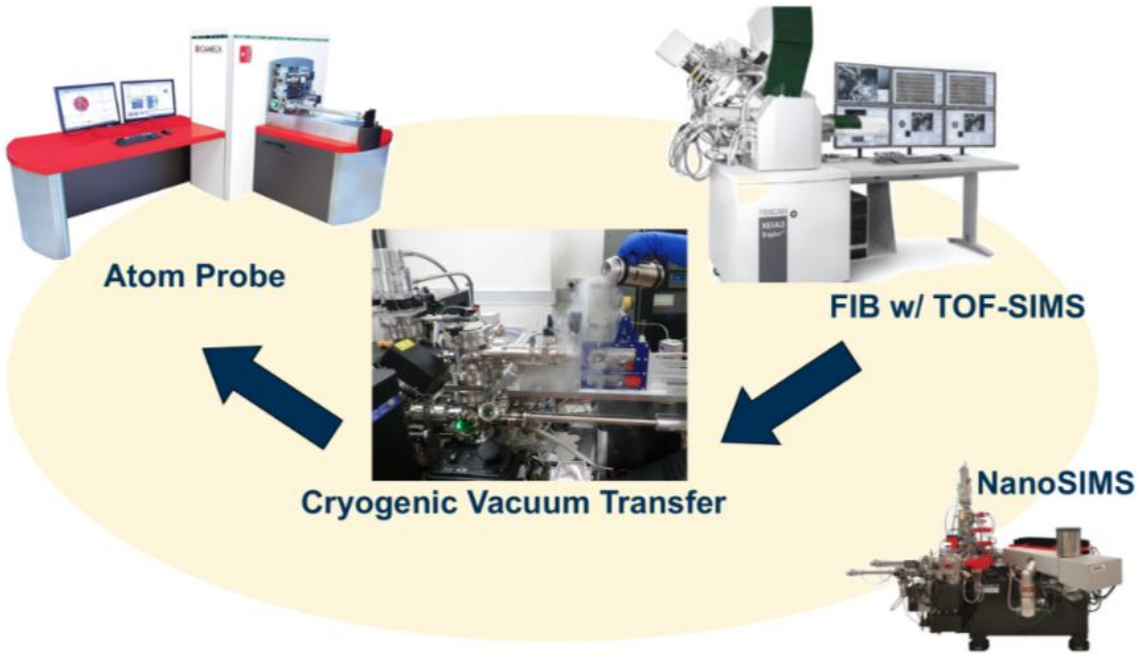
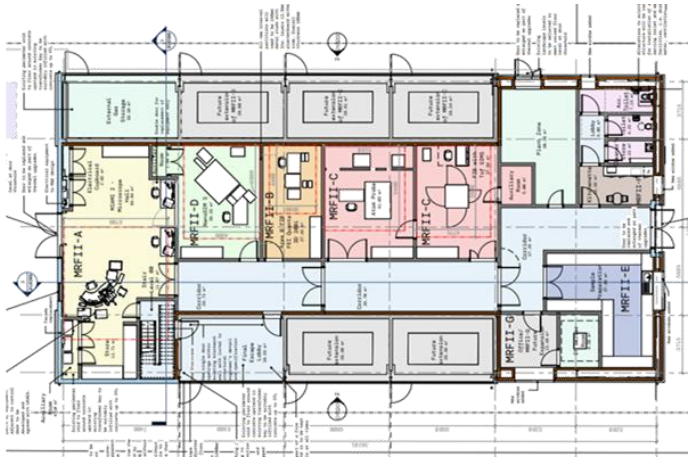
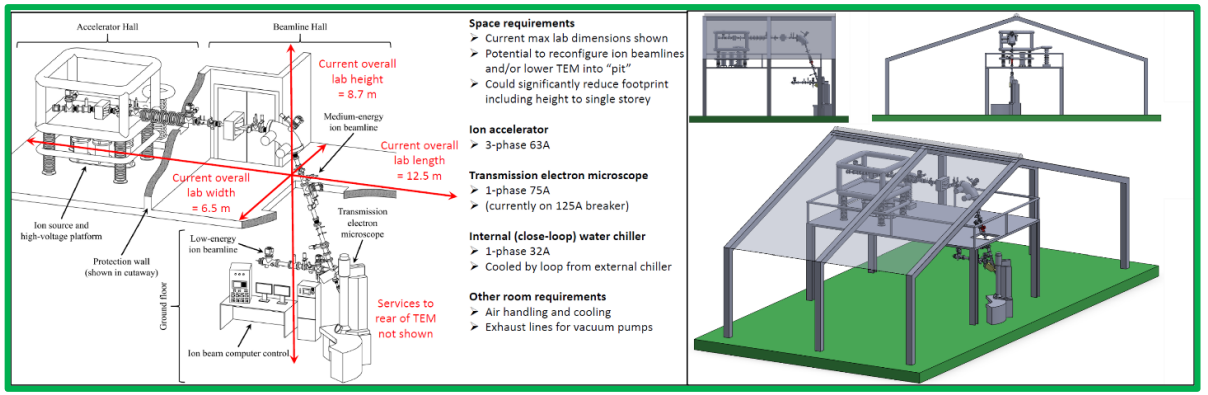
Another MRF in the family

- Re-use of a JET estate asset, building J41
- Two key new pieces of kit going in: MIAMI-2 and TRITIMAP



Mapping tritium distribution in materials





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UK Fusion Materials Roadmap 2025

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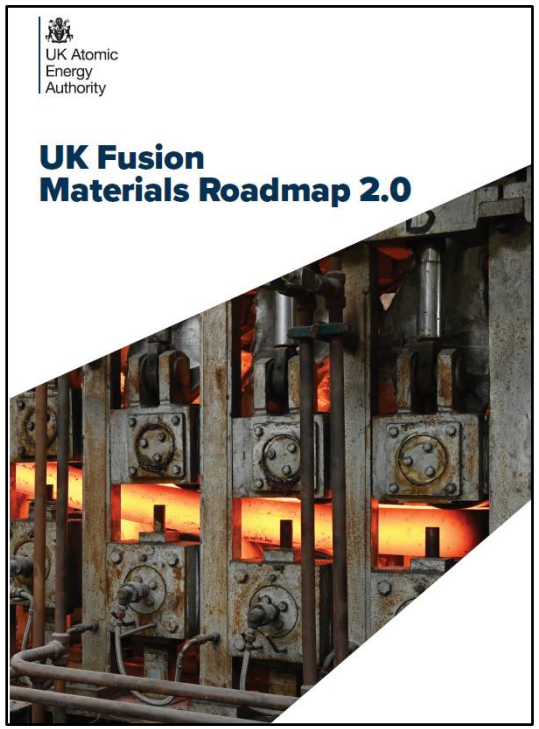
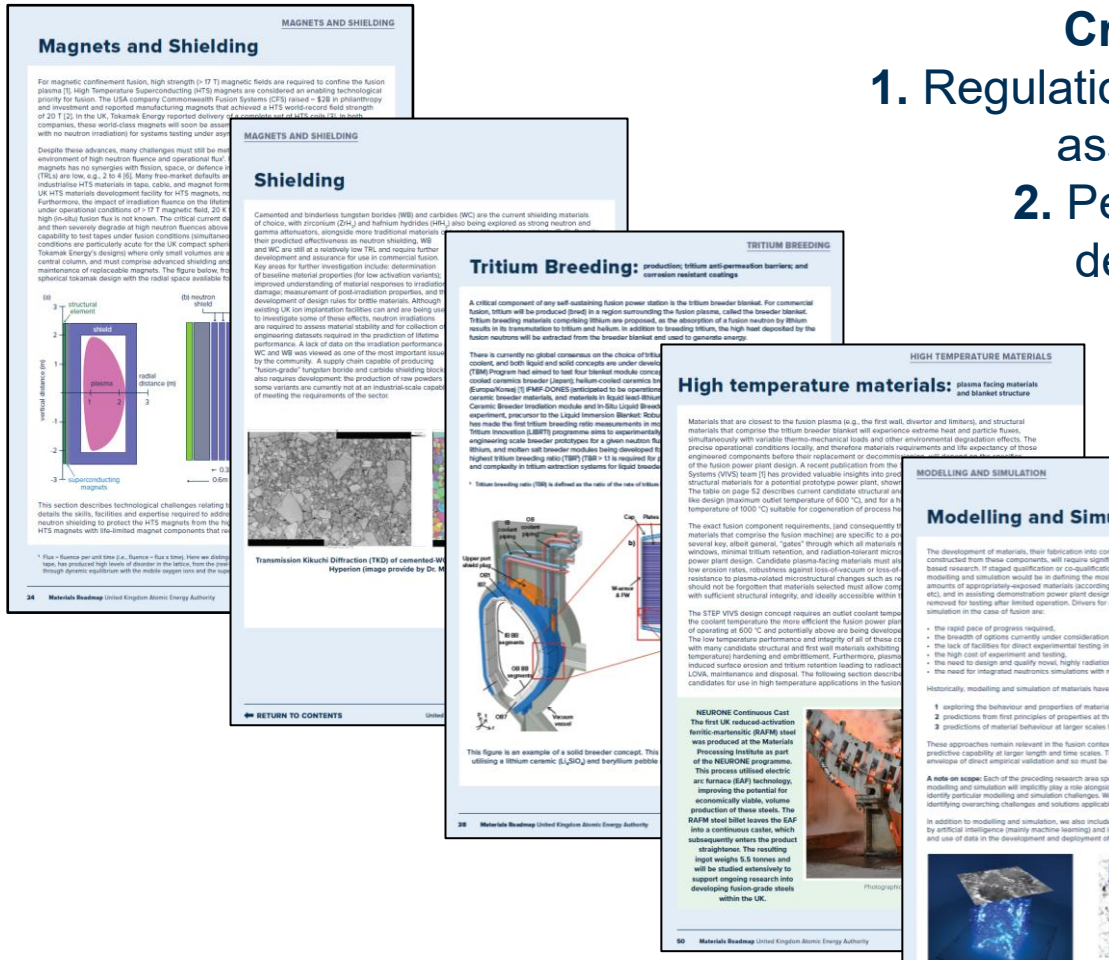
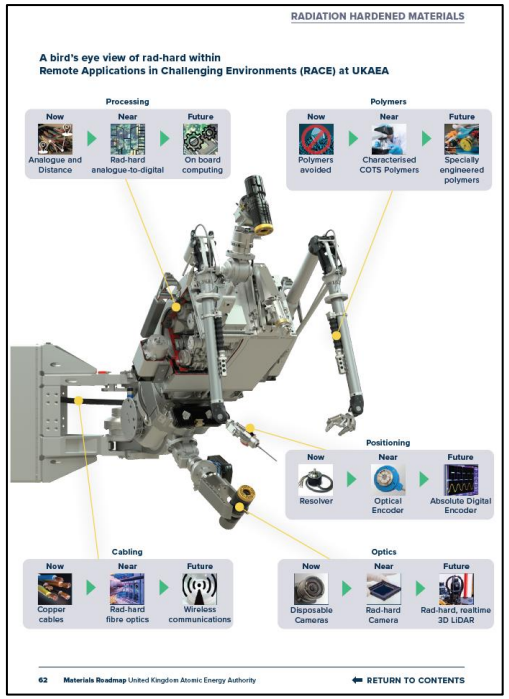




Cross-cutting challenges

1. Regulation, codes and standards, assurance and qualification
2. People: skills, training, and developing UK capabilities
3. Waste management
4. Supply chain



Available online:uk-materials-roadmap-2-0.pdf

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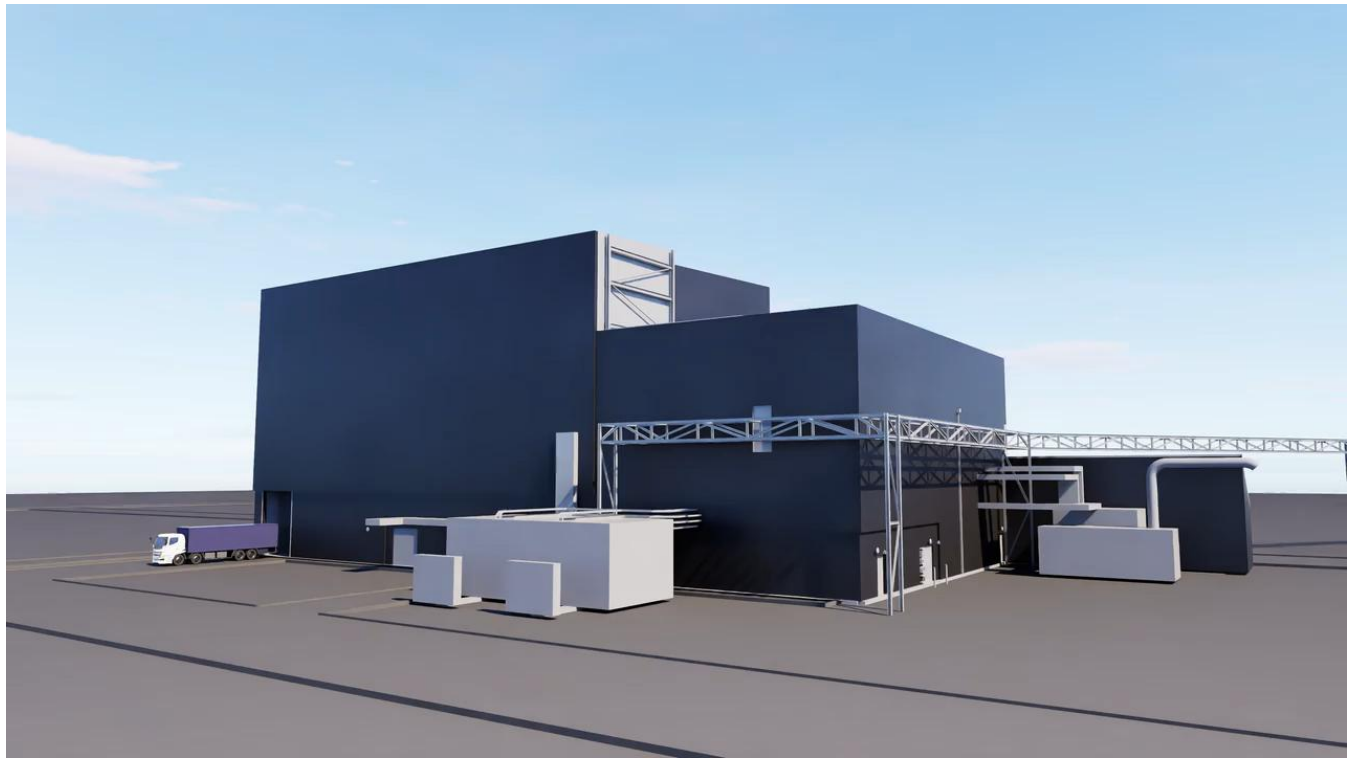
LIBRTI

Lithium Breeding Tritium Innovation

CONCEPTUAL OVERVIEW



Using Omniverse to envision, plan, design, optimise

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DELIVERY PLAN

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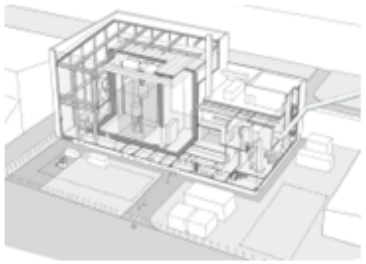
LIBRTI WORKSTREAMS

Facility | **Research**

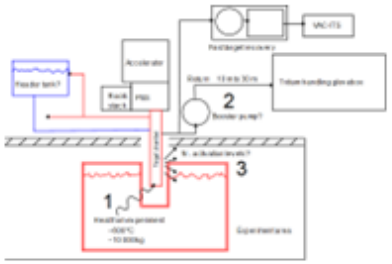
Building → Neutron Source → Large Experiments → Feederstream work → Multiphysics Platform

LIBRTI OUTPUTS

Repurposed JET building on Culham Campus



Balance of Plant: gas circuits, diagnostics, C&I, tritium abatement

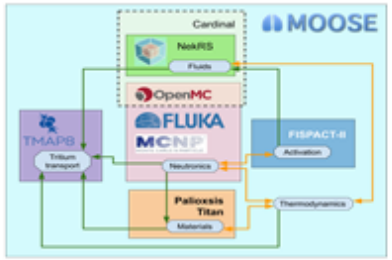


14 MeV D-T high flux neutron generator with R&D to boost flux

Large breeder mock up designs for customers

Industry and academia projects - small breeder experiments and digital platforms

Tritium- and neutron-transport models, codes and code integration



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LIBRTI: Building Capability and Growing the Supply Chain

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Major Infrastructure Delivery

Capability Area	Value	Supplier
Construction and delivery of the LIBRTI facility	**£34.1m**	McLaughlin & Harvey Ltd

Technical & Equipment Contracts Awarded

Capability Area	Value	Supplier
Engineering & technical support	**£49.9k**	Amentum
Laboratory systems	**£708.6k**	Southern Scientific
Control & instrumentation systems	**£518.2k**	Underwoods Electrical Distributors
High-temperature materials testing	**€460k**	Copenhagen Atomics
Scientific equipment supply	**£130k**	Elemental Scientific Instruments Ltd
Instrument upgrade	**£55k**	Elemental Scientific Instruments Ltd

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LIBRTI: Future Pipeline Opportunities

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Workstream	Package Groups
EC&I	Control systems (DCS, ESD, fire & hazard); Facility networks and data systems; Monitoring, UPS and electrical distribution
Mechanical & Structural	Blockhouse structures and shielding; Mechanical handling and transport; Mock-up systems; Building equipment; External area design
Process & Diagnostics	Gas, vacuum and cryogenic systems; Cooling and water systems; Waste management (gas, liquid, solid); Safety diagnostics; Geometry mapping
Tritium Systems	Tritium and deuterium distribution; Detritiation and impurity treatment; Helium distribution; Fume hoods
Software & Other	Access control systems; Digital network; Control room; Miscellaneous equipment

Each package offers a distinct opportunity, from equipment supply through to full end-to-end delivery

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Strengthening Cyber Security

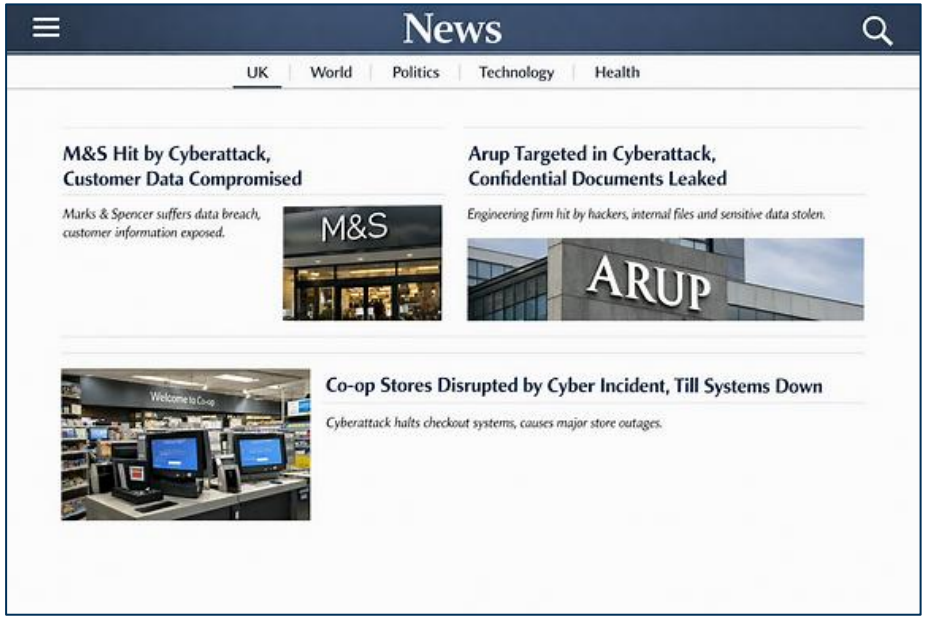
Justin Kingsford, COO

Strengthening Cyber Security

UK Atomic Energy Authority

Why this matters

- High-profile cyber-attacks indicate c80% of cyber attacks originate via wider supply chain.
- This is a Team effort, UKAEA acknowledges that we all need to improve, and we are very keen to support and help enable your efforts, alongside our own.
- In conjunction with extant improvement initiatives, we have a Cyber Acceleration Programme that charts a course for UKAEA to achieve Cyber Essentials+ within 2 years, with shorter term improvements being introduced at pace.



Apr–Aug 2025	**204 nationally significant cyberattacks** handled by NCSC	Includes 18 “highly significant” cases affecting critical services
May 2025	**Marks & Spencer** suffers major breach	Customer data exposed, operations disrupted
June 2025	**Arup** targeted in deepfake-enabled cyber fraud	Internal documents leaked, $25M lost
July 2025	**Co-op Group** hit by ransomware	Till systems down, £285M sales impact
Aug 2025	**Jaguar Land Rover** experiences cyber breach	Production delays and data compromise
Oct 2025	NCSC Annual Review warns of underestimated cyber risk	Urges FTSE 350 boards to prioritize cyber resilience

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Supply Chain Cyber Security

Andrew Hynes, Director of Computing Operations

Cyber Essentials in Supply Chains

UK Atomic Energy Authority

[Source: NCSC]

What is Cyber Essentials?

Cyber attacks are inevitable, and the consequences can be costly. That's why Cyber Essentials exists.

- Cyber Essentials is a UK government-backed certification that proves your organisation is protected against most common cyber threats.
- It is the minimum standard of security that the NCSC would recommend *every* organisation to achieve – regardless of size.
- The scheme is delivered by the NCSC - in partnership with DSIT - through the IASME Consortium, who manage a network of over 400 Cyber Essentials Certification Bodies.
- Implementing just five key controls **reduces risk**, **strengthens resilience**, and gives stakeholders **verified assurance** that an organisation prioritises cyber security and meets recognised baseline standards.

Secure configuration	User access control	Malware protection	Security update management	Firewalls

Cyber attacks come in many different forms, but the majority are basic in nature - the digital equivalent of a thief trying your front door to see if it's unlocked...

Cyber Essentials locks the door shut on these attacks.

Why Cyber Essentials?

- **Proven**: Cyber Essentials has been repeatedly proven effective against common, internet-based cyber threats.
- **Improve understanding**: Better understand and proactively manage the increased risks attached to digital growth with a clearer picture of your organisation's cyber security level – and the evidence required for the investment needed to improve it.
- **Confidence**: Gain confidence – for you and your customers - that your organisation is meeting the minimum baseline of technical cyber security standards, as defined by the National Cyber security Centre.
- **A good place to start**: 'A firm place to stand' when considering the complex and sometimes intimidating world of cyber security for the first time.
- **Free cyber liability insurance:** Cyber Essentials certification includes IASME's automatic cyber liability insurance for any UK organisation who certifies their whole organisation and has less than £20m annual turnover, including access to 24-hour crisis management and incident response helpline.
- **Continual Improvement**: Provides structure & motivation to understand, discuss (at board level) and continually improve cyber security defences. Cyber Breaches Survey found that organisations with CE are more likely to:
  - ✓ have board member or senior manager with specific cyber responsibilities
  - ✓ conduct training or awareness of cyber security
  - ✓ have a formal cyber security strategy and incident response plan in place

92%
fewer insurance claims are made by organisations with the Cyber Essentials controls in place

85%
believe the scheme has directly improved their understanding of cyber security risks and (88%) the steps they can take to reduce them.

78%
would recommend certifying to other orgs like theirs

95%
of customers would recertify to Cyber Essentials next year

82%
are confident the controls protect against common cyber threats

79%
believe it has a positive impact on customer confidence

71%
of Cyber Essentials users agree that the scheme has directly strengthened how seriously their organisation takes cyber security.

69%
believe Cyber Essentials has increased market competitiveness

Cyber Essentials in the supply chain

- Cyber Essentials has been proven effective against common cyber attacks, including supply chain threats.
- Cyber Essentials can play a significant role as an **assurance tool** and help address the challenges that many organisations face in securing and effectively managing their supply chain.
- A new Supplier Check tool can help **quickly verify** whether all your suppliers have been certified (and to what level - Cyber Essentials or Cyber Essentials Plus).
- Cyber Essentials provides a tangible way for organisations to **gain confidence** that their suppliers, or other third parties, have effectively implemented fundamental technical controls and that they are protected from the majority of untargeted, commodity attacks.
- **Save time and reduce complexity** on cyber security due-diligence. Suppliers can also use Cyber Essentials as evidence across their customer base, reducing the time spent filling out duplicative questionnaires.
- Any UK organisation with turnover under £20m that achieves Cyber Essentials (covering their whole organisation) is entitled to IASME's free Cyber Liability Insurance, giving assurance that suppliers have access to a **professional incident response capability** during an incident.

Case study: With the financial services sector facing an evolving cyber threat, one the UK's largest pensions & life companies asked its partnership network of over 2,800 independent business to certify to Cyber Essentials Plus.

In such a large supply chain this had its challenges, but the decision is already showing a positive impact.

"Security incident numbers have significantly reduced... we have seen around 80% reduction in cyber security incidents, which directly correlates to controls and best practice implemented through Cyber Essentials."

"We recognise the position we have within the supply chain in the UK, and the positive impact we have experienced with Cyber Essentials."

Matthew Smith, Divisional Director of Cyber Security, St James's Place

Resources

Cyber Essentials Scheme Documentation: Cyber Essentials | National Cyber Security Centre - NCSC.GOV.UK

IASME Website: Cyber Essentials - Cyber Essentials

Cyber Essentials Readiness Tool: GetReadyForCyberEssentials

Find a Cyber Advisor: Free Advice - NCSC Cyber Advisor

Why Supply Chain Cyber Security matters: The 2026 Connected Supply Chain Cyber Threat (Falcon Eye 360)

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Coffee Break

See you back at 11:50

STEP FUSION

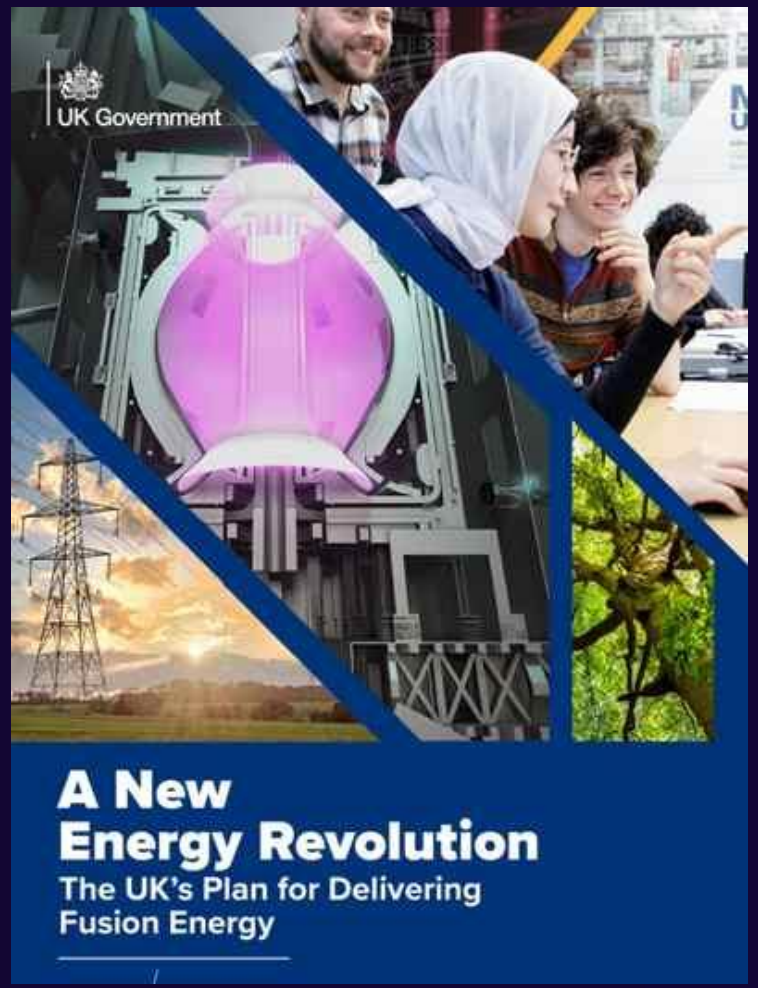
STEP Fusion: More Than A Power Plant

Possibility to Reality; A National Mission

Sho Dutta

Commercial Director, UKFE Ltd

MARCH 2026



Delivery through 2030

APRIL 2026

2026-2030

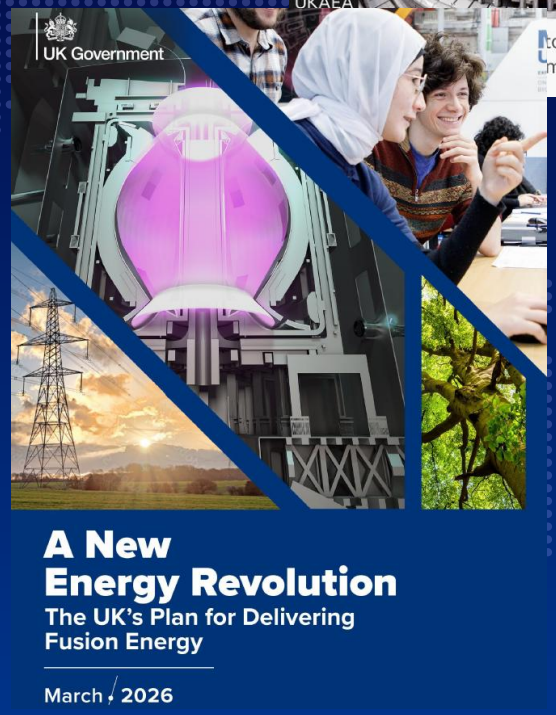
APRIL 2026

2026-2040

From Lab to Grid – Industrial Growth Focus

Increasing confidence and investment

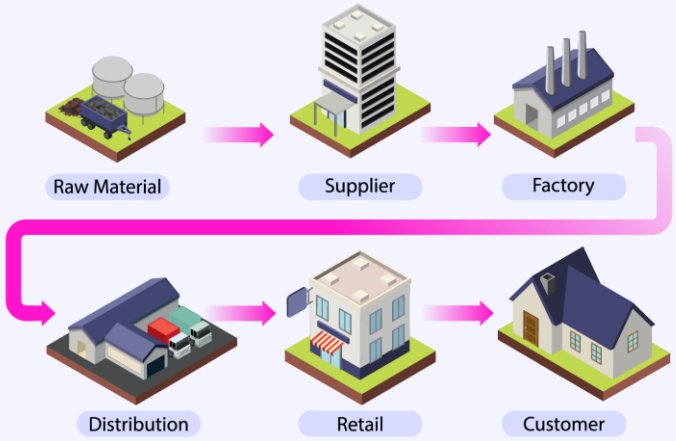
- Increasing international focus (US, China, EU, UK, Korea, Japan) on energy market estimated at **£3-12 trillion**
- Private investment **c. £13 Bn**, most in recent years (over 50% US, 34% China and rest Europe and others).
- Significant mergers, public-traded companies and power-purchase agreements starting to emerge, with values in **£ hundred mullions**
- Key part of UK governments energy, R&D and industrial growth plans with **£2.5Bn** over 5-years in SR25.
- UK has many advantages, inc. lead on R&D, enabling regulatory regime and cross-party support. EA and HSE already engaged with STEP Fusion.
- New UK Fusion strategy – *Lab to Grid* - fusion is a priority industrial growth sector, accelerating commercialisation to secure value.
- From R&D possibility towards commercial reality at increasing pace.



More than just a prototype...

SOCIAL VALUE

Skills, jobs, investment, regional infrastructure

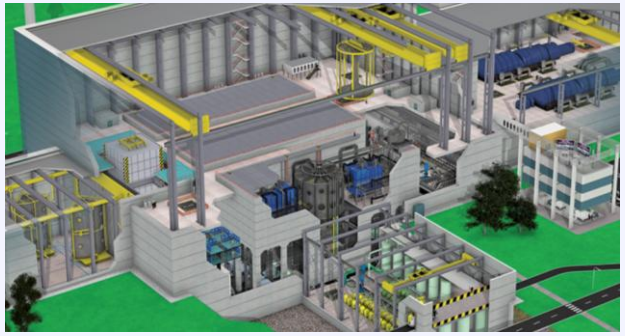


INDUSTRIAL STRATEGY

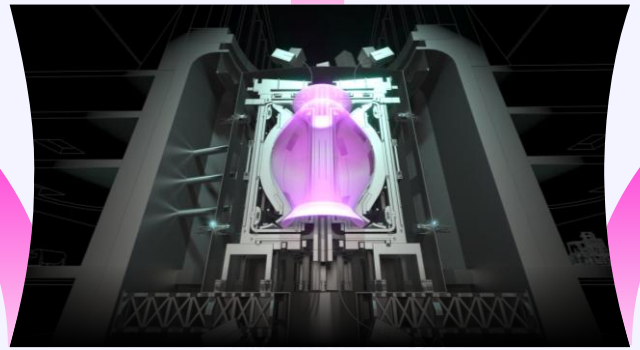
Supply Chain

UK ECONOMIC VALUE

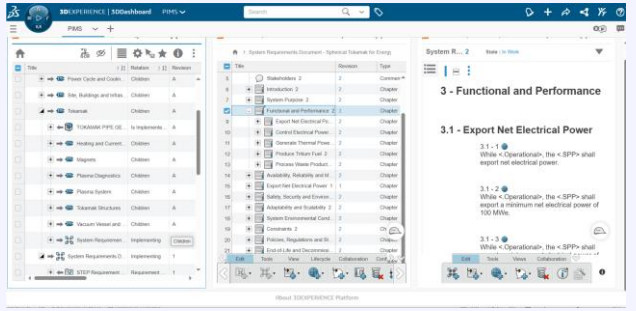
Exports, contracts, spin-offs



GLOBAL FUSION FACILITY

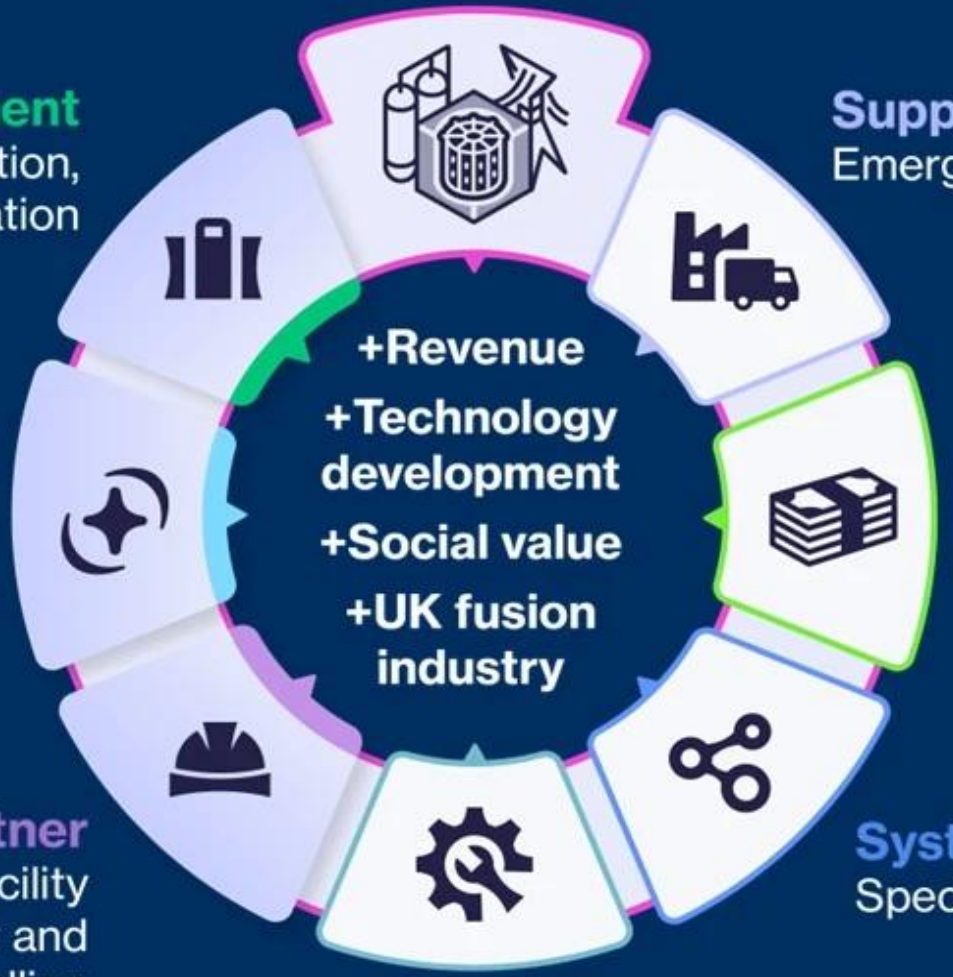


POWER PLANT DEMONSTRATION



INFORMATION BASELINE

Whole Plant Integrator
Intelligent client co-ordinating innovation to deliver value for all partners



Government
Policy innovation, funding, regulation

Supply Chain
Emerging fusion industry

Fusion Partner
Expertise in plasma, tritium, fusion materials, robotics and fusion technology

Investors
Enabling growth opportunities

Construction Partner
Site development, facility design and delivery, cost and schedule modelling

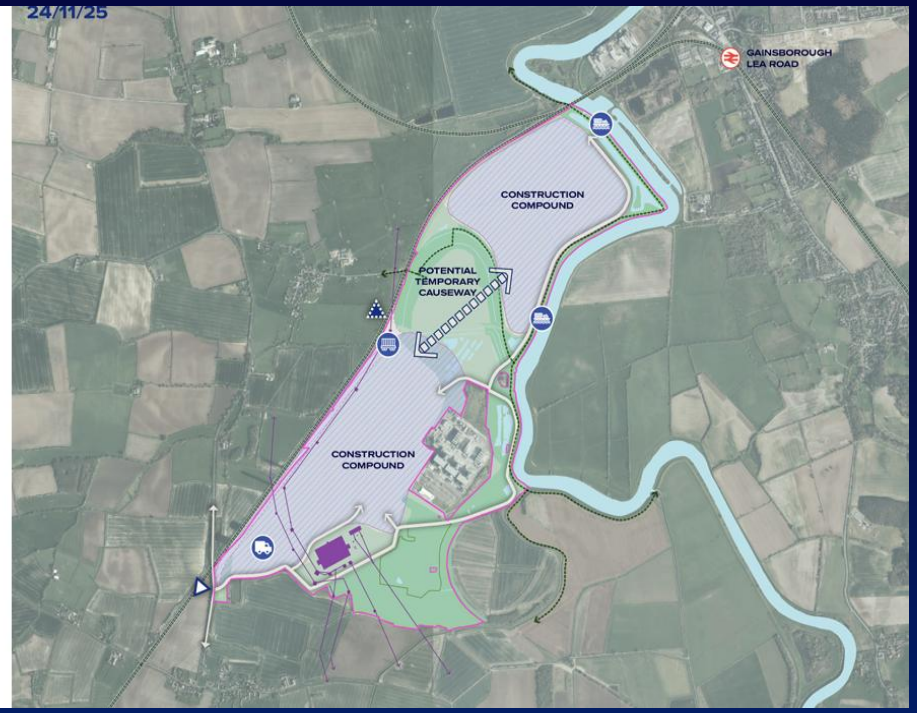
System Partners
Specialised expertise

Engineering Partner
Industrial engineering

Developing the Site at West Burton

Fossil to Fusion in Action

Indicative construction phase layout



East Midlands Combined County Authority

Nottinghamshire County Council

Bassetlaw District Council — North Nottinghamshire —

Greater Lincolnshire Combined County Authority

Lincolnshire County Council — Working for a better future

West Lindsey District Council

1

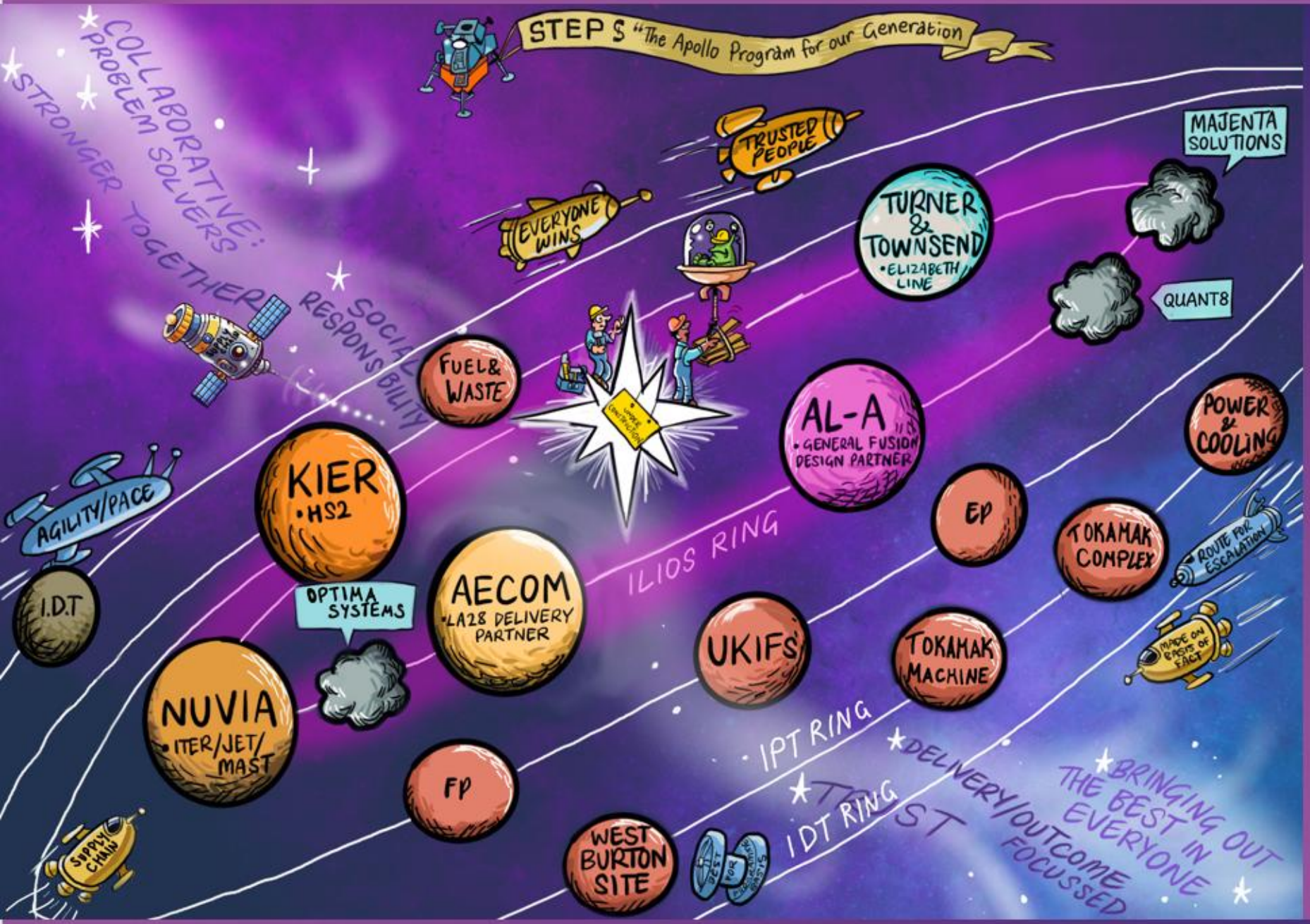
First site office opened (Jan '24)

Borehole studies (Ongoing)

2

Office Expansion (*White*) (Mar '26)

2024 — 1 — 2025 — 2 — 2026



ILIOS

(derived from Greek hélios) primarily refers to the sun, representing the sun deity in ancient Greek religion.

Kier Nuvia (50/50) joint venture supported by consortium partners:

- AECOM
- AL_A
- Turner & Townsend

and strategic suppliers

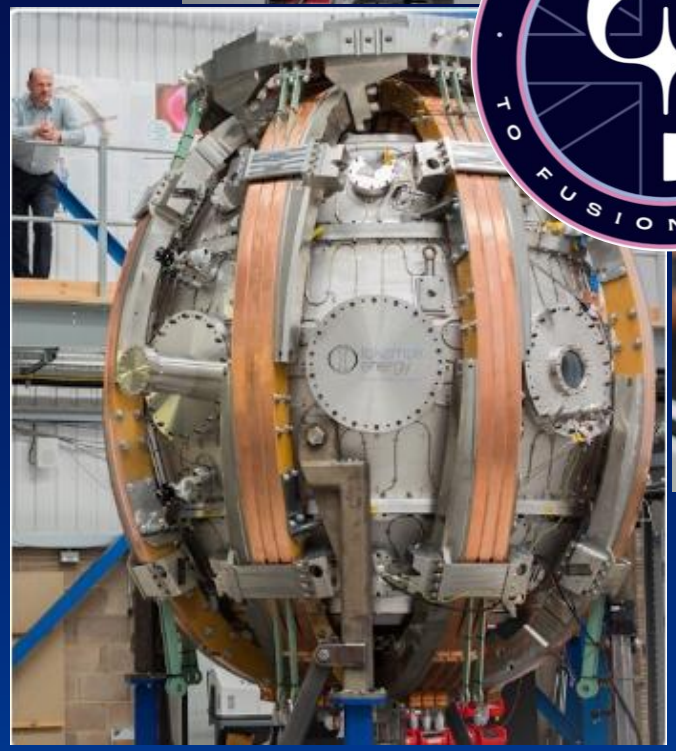
UK Industrial Fusion Solutions

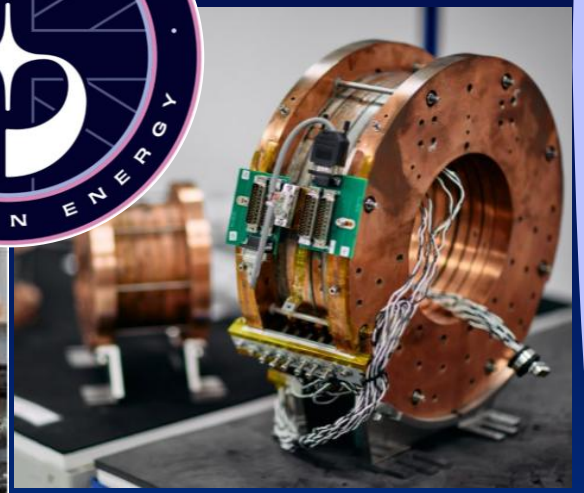
UKFE – Tokamak Energy STEP Magnets Partner

UKFE has partnered with Tokamak Energy to deliver critical HTS magnet development and testing for the STEP programme.

This is the first of a series of System Partner agreements, marking a key milestone for STEP and the UK fusion industry, establishing the foundation for future partnerships.

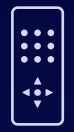
The contract will advance critical fusion technologies, support integrated system development, and drive UK capability and supply chain growth, strengthening the UK's position as a global leader in fusion energy.





Tokamak Energy

System Partners -Forthcoming Opportunities



- **Controls**
- **Test Operations**

- **Digital (short and long term)**
- **Fuel Cycle**

- **Product Development**

- **Breeder Blankets**
- **Systems Engineering capability**

UK Fusion Energy will soon be engaging with the market to identify system partners – industry leaders who will work with UKFE, FP and CP teams to drive delivery of key systems, technologies or capabilities needed by the programme.

These opportunities offer organisations the chance to lead critical elements of the programme and play a central part delivering and shaping the UK's fusion future.

Those involved in developing STEP will be exceptionally well positioned to deliver the future fleet of commercial fusion plants.

UK Atomic Energy Authority

Safety, Health Environment and Sustainability

Suzie Melvin, Head of Safety, Health and Environment

Key UKAEA Safety and Health Priorities 26/27

UK Atomic Energy Authority

SIMPLIFICATION OF PROCEDURES

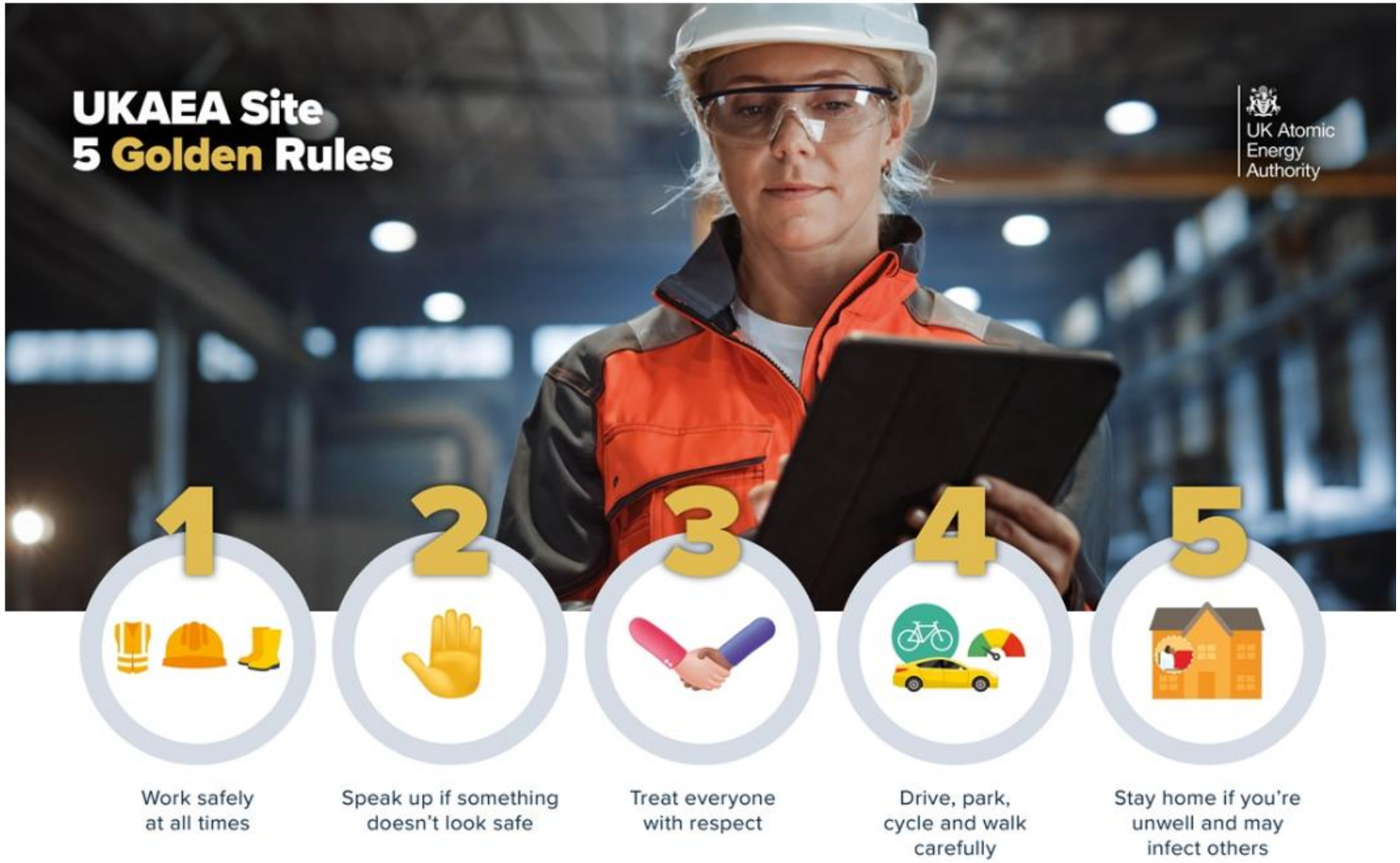
SHE COMPLIANCE MONITORING

CONSTRUCTION (DESIGN AND MANAGEMENT)

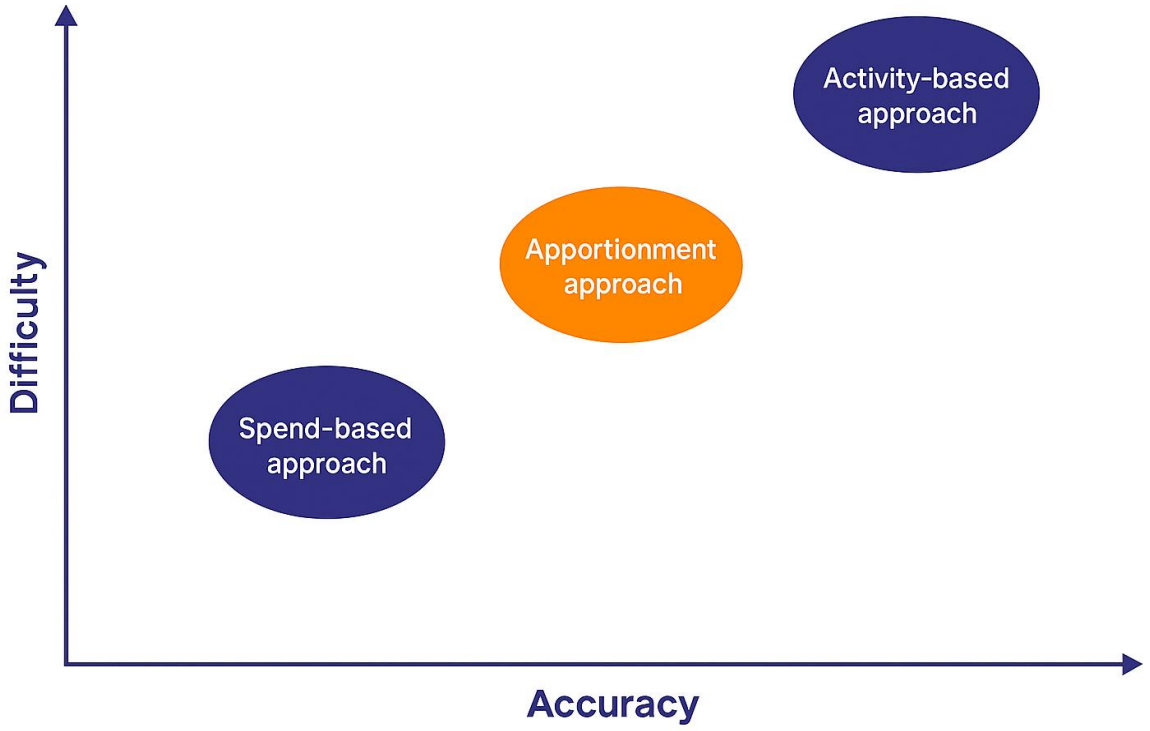
CONTRACTOR SAFETY FORUM

WORK RELATED STRESS SURVEY

Working Safely Together



Carbon Reporting Tool



Spend-based approach:

Emission based on how much UKAEA spend on suppliers.

Activity based approach:

Emissions by using real data from suppliers about specific projects.

Apportionment approach: Supplier's actual emissions apportioned by Clients % of their turnover.

Carbon Reporting Tool

UK Atomic Energy Authority

Carbon report

Transport ✓ | Fossil fuels ✓ | Fugitive emissions ✓ | Electricity ✓ | Materials ✓ | Waste ✓ | Water ✓ | Remote working ✓ | Other Emissions ✓ | Policies/Strategies ✓ | Company information ✓

Please provide details of travel in company owned vehicles, public transport, and third party vehicles (where you do not directly pay for the fuel, including employee commuting). To avoid double counting, do not report any mileage data if you have already entered the corresponding fuel consumption data in the fossil fuels tab. All our emissions calculations use the UK Government greenhouse gas reporting conversion factors and are updated annually. We include well-to-tank and transmission and distribution emissions in these calculations.

Metric	Units	Value	Comments	N/A	Past data
Company Transport					
Diesel Car (Miles)	Miles				
Petrol Car (Miles)	Miles				
Petrol Van (Miles)	Miles				
Diesel Van (Miles)	Miles				
Diesel HGV, average laden (miles)	Miles				
Do you have travel data to report for other types of company-owned vehicles?*	Yes / N/A / No		If 'YES' select the relevant forms of company transport		
Do you have any travel data to report in litres INSTEAD of km/miles for Company owned vehicles?	Yes / N/A / No				
Third Party Transport					
Diesel Car (Miles).	Miles				
Petrol Car (Miles).	Miles				
Diesel HGV, Average laden (miles).	Miles				
Diesel Van (Miles).	Miles				
Petrol Van (Miles).	Miles				
Do you have travel data to report for other types of third-party travel?*	Yes / N/A / No		If 'YES' select the relevant modes of transport		

How the platform supports our suppliers

- **End-to-end support to help suppliers build capability** and accurately measure and report carbon emissions
- **Unlimited data sharing** – your carbon reports can be reused across multiple customers
- **Creates a cascading effect**, enabling engagement across multiple tiers of the supply chain
- **Simplified and standardised reporting**, reducing complexity and duplication
- **No additional cost** to participate
- **Streamlined, time-efficient process** designed to minimise administrative burden
- **Supplier empowerment** – you retain ownership of your data and can independently submit your raw emissions metrics

Contact alwin.varghese@ukaea.uk for further information

UK Atomic Energy Authority

UKAEA

JET Decommissioning and Repurposing: Overview

Zac Scott, Director of JET Decommissioning and Repurposing

SR25 – turning funding into practice

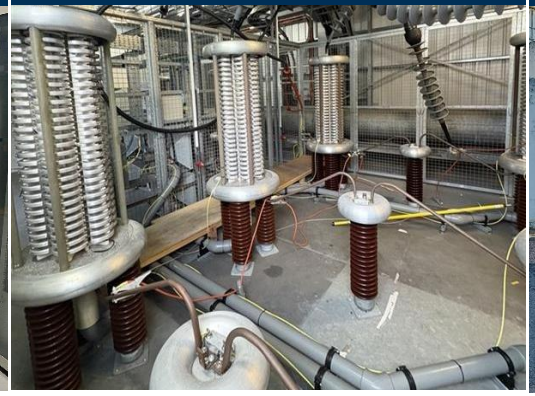
UK Atomic Energy Authority

DESNZ (the Department) & HMT (the Treasury) has approved tranche 2 funding

23/24	24/25	25/26	26/27	27/28	28/29	29/30	30/31	31/32	32/33	33/34	34/35	35/36	36/37	37/38	38/39	39/40	40/41
Tranche 1			Tranche 2				Tranche 3				Tranche 4				Tranche 5		

J5 36KV

J51



J3&31

IVD PREP

WASTE PREP

Scale of challenge

UK Atomic Energy Authority

The JET estate

J4 clearance

JDR Management Framework update

UK Atomic Energy Authority

- Background to Management Framework approach
  - Onboarding critical skills shortages
  - Max 4 yrs and/or max spend £9.99m
  - Closed framework
  - 22 fixed lots
  - 7 suppliers on framework; not all allocated to every lot
- Congratulations to Awarded Suppliers

amentum

AtkinsRéalis

cyclife GROUPE EDF

VULCAIN ENGINEERING GROUP

assystem

NUVIA

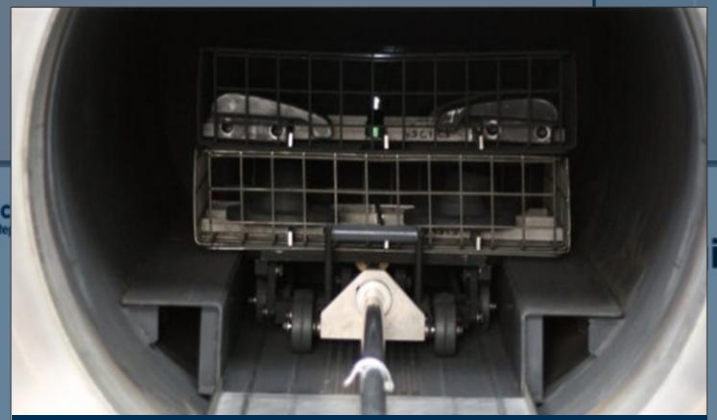
MOTT MACDONALD

The six strategic questions

Fully decommission JET or partially decommission then care & maintain?

Actively repurpose J1 assets or defer to main deplant phase?

How much Intermediate Level Waste to detritiate versus decay store?



Detritiate Intermediate Level Waste in-situ or ex-situ??

Build new waste facilities, or repurpose existing buildings for packing & consignment?

Demolish or repurpose J1 & J25 at the end of JET decommissioning?

Would you like a guided tour of JET?

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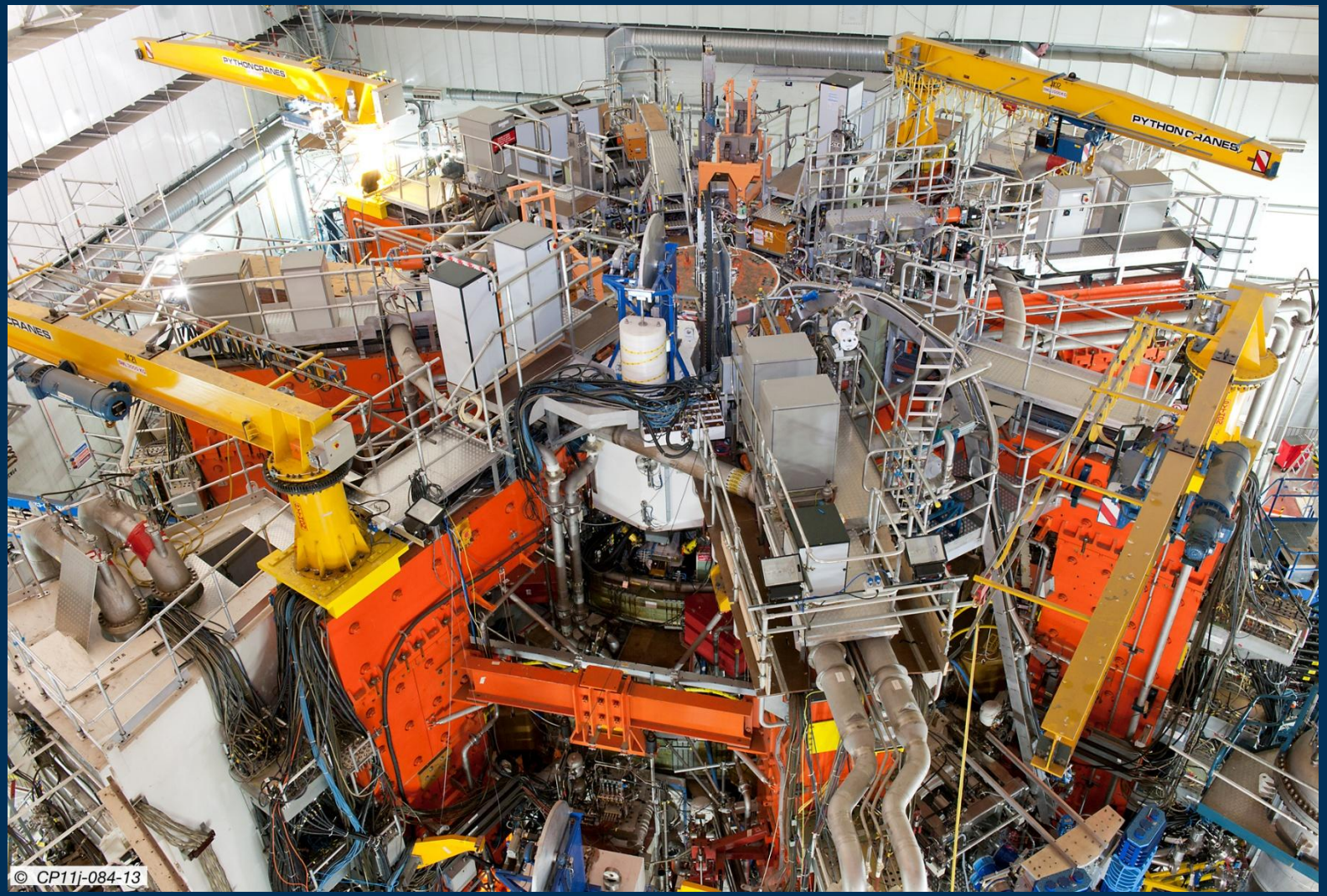


2 x groups up to 30 people

Time slots
Group 1: 1500-1530
Group 2: 1540-1610

To register and more info
Visit the JDR exhibition booth before **1430**

UK Atomic Energy Authority

RAICo

Pete Gillham, Head of Operations ARC Division and RAICo

Robotics, Repurposing and Decommissioning Directorate (RRDD)

Robotics, Repurposing and Decommissioning Directorate (RRDD)
Executive Director - Rob Buckingham

RACE

Director – Nick Sykes

Engineering design, development and operations for fusion relevant systems

ARC

AI and Robotics Collaborations

RAICo
ROBOTICS AND AI COLLABORATION

LongOps, CROSS, ACORN

Director – Kirsty Hewitson

End user led collaborations to enable widespread adoption of robotics and AI into nuclear operations

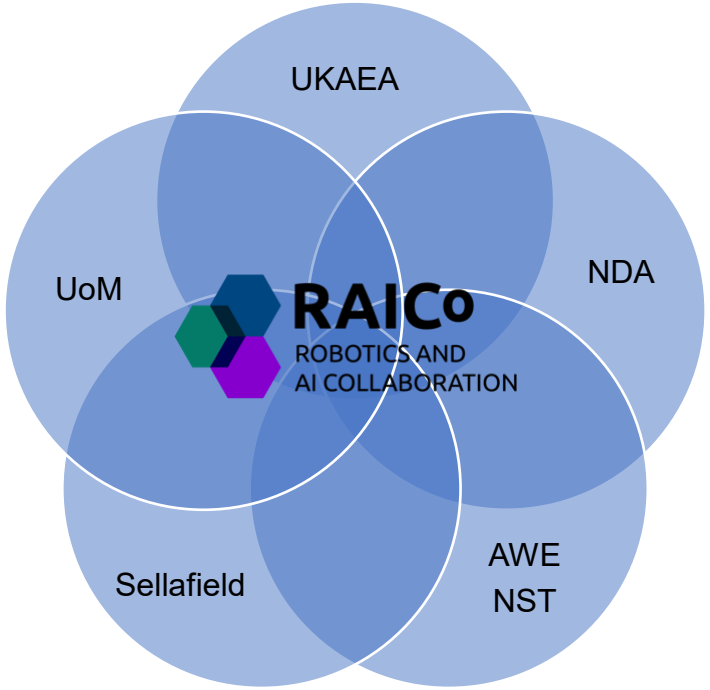
Robotics Research and Technology (*RRT*)

Robert Skilton

Developing new knowledge and capability in support of the core fusion mission

Connecting knowledge and capability across the directorate

RAICo overview



RAICo IS AN **END USER LED** ROBOTICS AND AI COLLABORATION

RAICo brings TOGETHER **NUCLEAR DECOMMISSIONING AND FUSION ENGINEERING** FOR MUTUAL BENEFIT

OPERATIONALISATION OF 'THIS GEN' ROBOTICS INTO THE NUCLEAR SECTOR

DEVELOPING **REMOTELY OPERATED SOLUTIONS FOR DECOMMISSIONING**

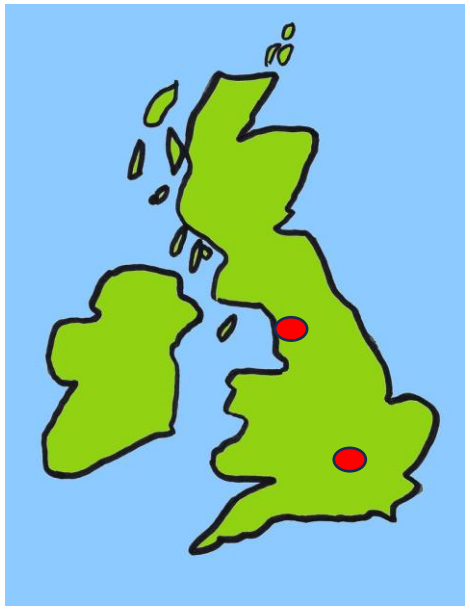
DEVELOPING **INTELLIGENT CUSTOMER** AND **SUPPLY CHAIN** CAPABILITY AND CAPACITY

SOCIO-ECONOMIC IMPACT IN CUMBRIA

Facilities

UK Atomic Energy Authority

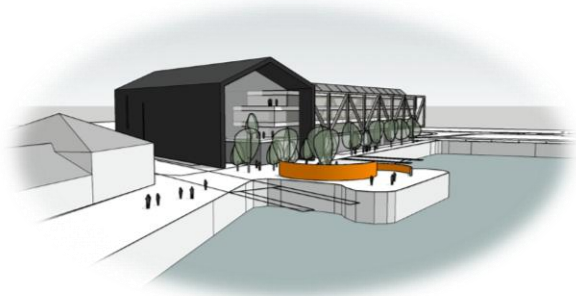
RACE and F4 at UKAEA, Oxfordshire



RAICo1 at Whitehaven - Cumbria

The Bus Station

Planning for an additional **robotics and AI facility in Cumbria**



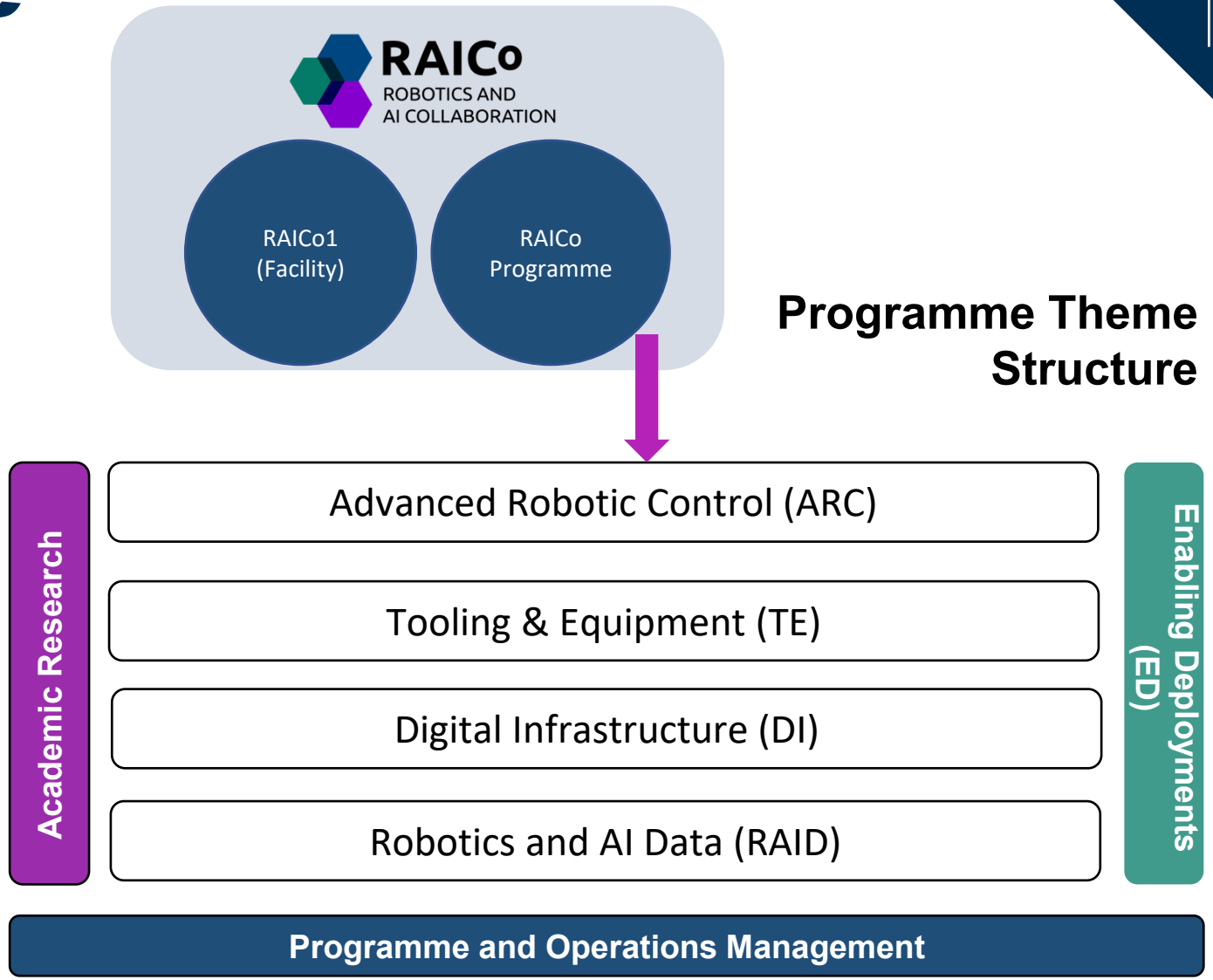
RAICo2

RAICo ROBOTICS AND AI COLLABORATION

RAICo Programme

RAICo Programme

Seven themes focussing on addressing shared challenges and the key operational needs and goals of nuclear decommissioning and fusion engineering end users.



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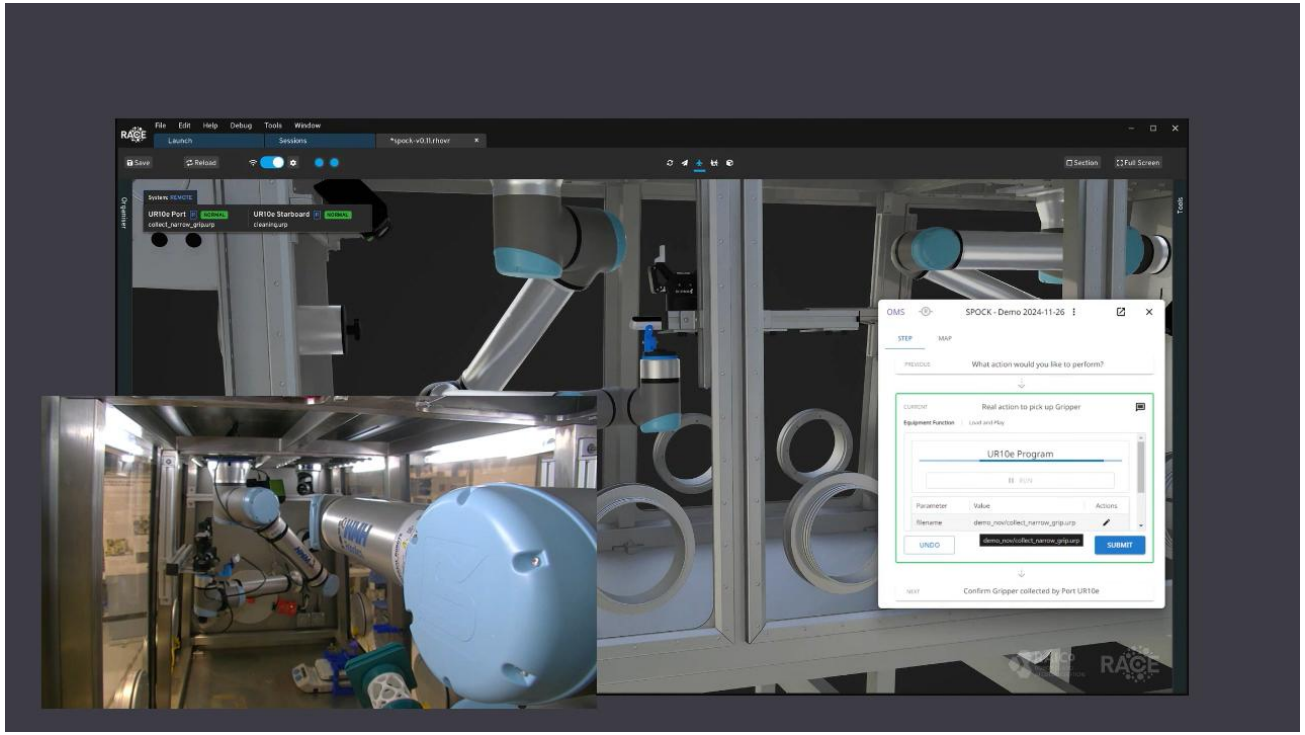
RAICo Technology Examples

Robotic Glovebox - RoBox

RoBox

- Remote operations enabling hands out of gloveboxes.
- Enables safe, repeatable operations.
- Developed in partnership with industry over the last five years.

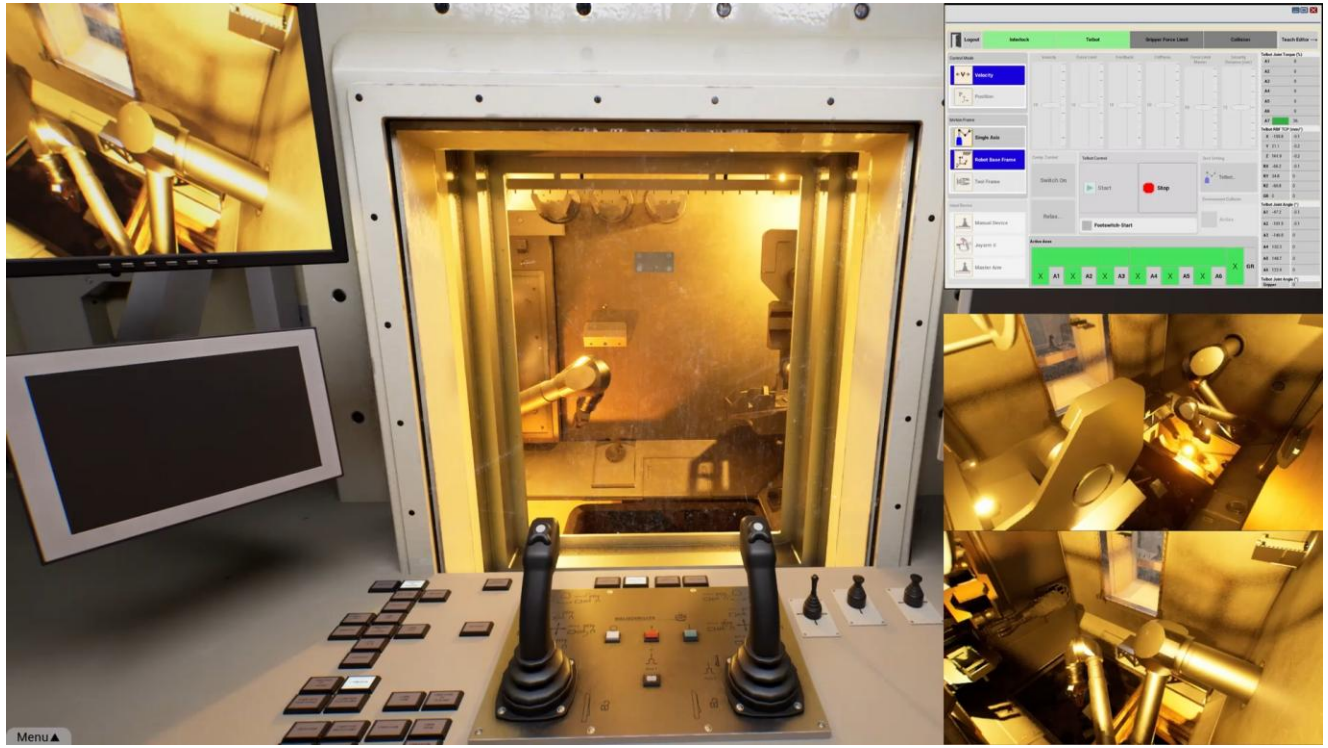
Digital twins - SPOCK



Single Point Operator Control Kit

- Combining legacy capability from JET remote operations with software expertise from industry.
- Recreation of real-environments for training and operations planning.
- Supporting the concept of centralised control room operations.

MSSS Simulator



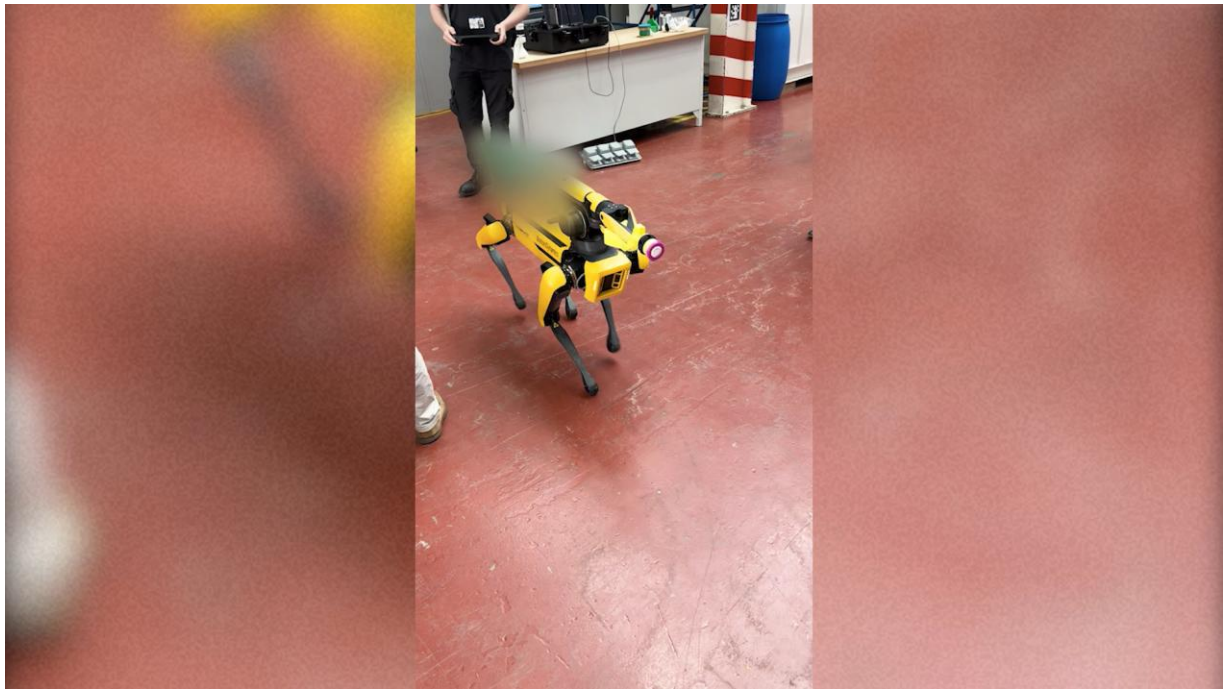
Magnox Swarf Storage Silo Simulator

- Simulating the sort and segregation of waste at the MSSS.
- Enabling high value assets at the MSSS to remain in operations.
- Providing operators with a realistic, safe and risk-free training environment.

Remote, haptics-enabled health physics swabbing

UK Atomic Energy Authority

Non-active to active environment trials



The development and deployment of Spot to autonomously deploy, collect and retrieve samples within an active environment for emergency or pre-planned routine tasks.

Haptics and digital shadow development

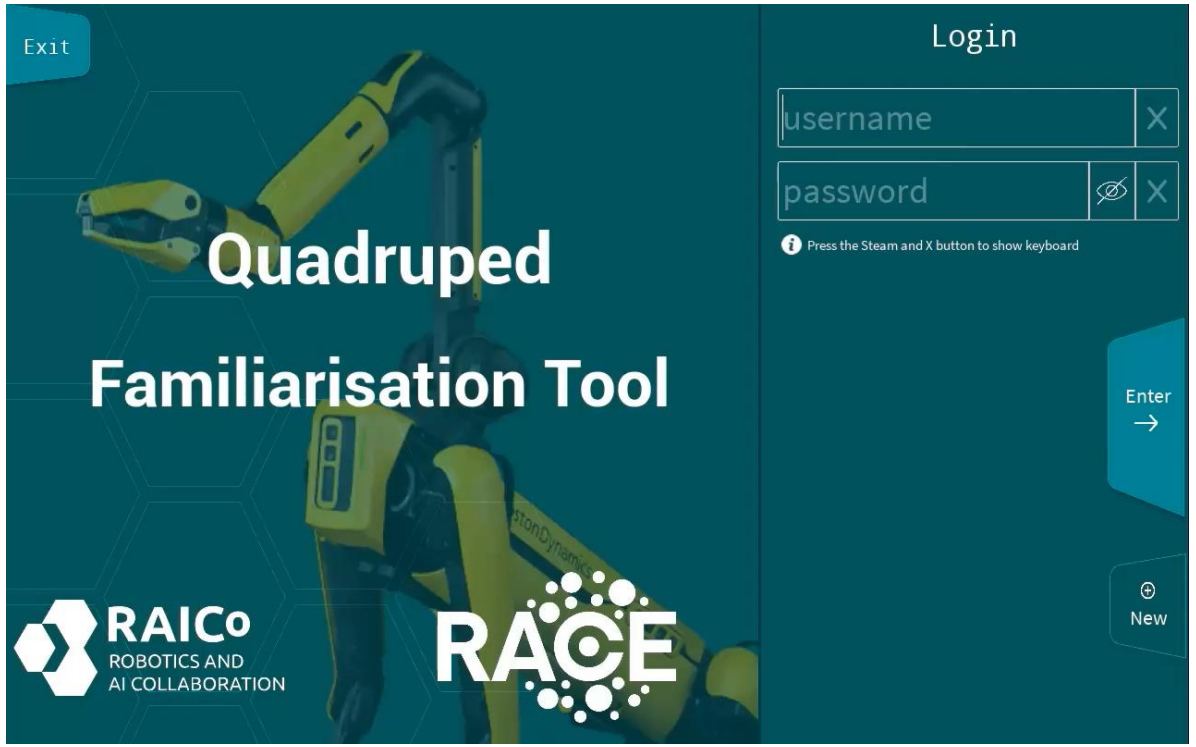
Supporting training and the effective control of Spot during operations.

RAICo ROBOTICS AND AI COLLABORATION

Spot tooling and Spot training

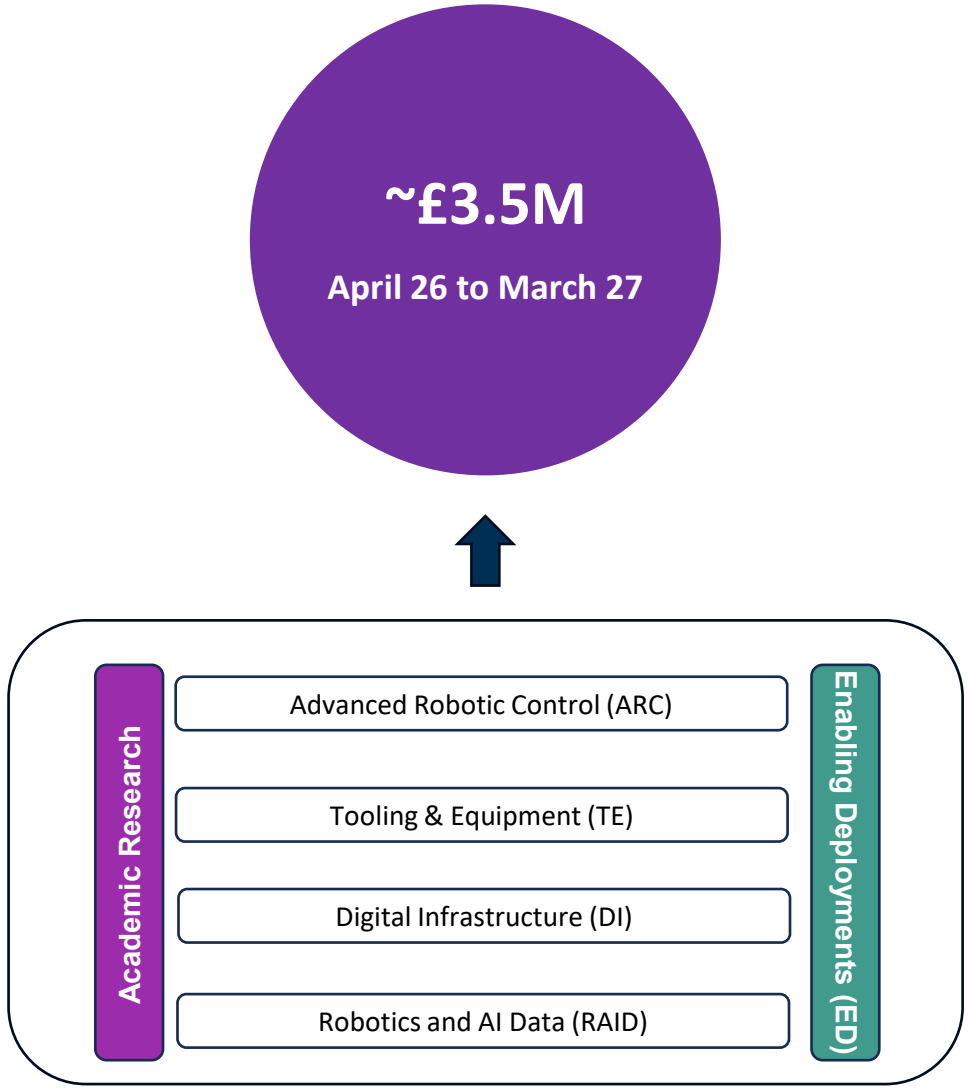
The **Quadruped Familiarisation Tool** is a handheld interface for training and familiarising both novice and experienced operators in the operation of the Spot robot without the need of the physical robot.

QFT on a Steam Deck



RAICo Programme this FY 2026/27

The RAICo programme team looks forward to continued collaboration with industry and academia over the next year and beyond.



Target 50% of budget / ~£3.5M is expected to be awarded to industry and academia this FY.

UK Atomic Energy Authority

Thank you

UK Atomic Energy Authority

UKAEA

Commercial updates and closing remarks

Paula Barham, Director of Commercial

Commercial Function Key Objectives

UK Atomic Energy Authority

1. Challenge and innovate – Review and enhance commercial and procurement strategies to deliver organisational value
2. Customer focus – Build processes that drive satisfaction and ensure compliance across the commercial lifecycle
3. Strengthen infrastructure – Improve systems for effective management of all UKAEA commercial activities
4. Drive continuous improvement – Foster innovation and alignment with Government Functional Standards
5. Embed procurement reforms – Implement Public Procurement Reforms with training and full stakeholder support

Structure Updates

UK Atomic Energy Authority

New roles:

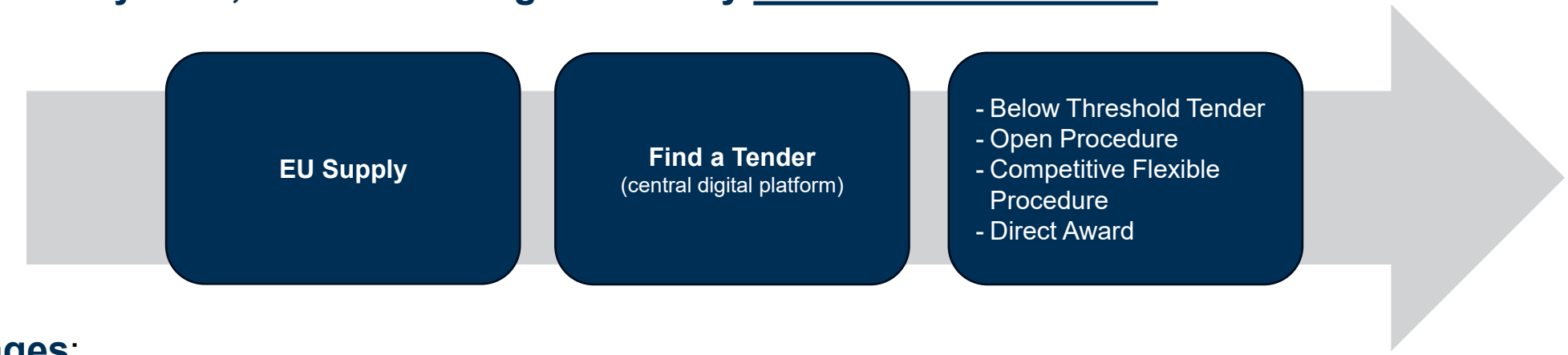
- Carl Evans, Head of Commercial Projects & Programmes

- Emma Davies, Head of Commercial Operations

Procurement Act 2023

UK Atomic Energy Authority

As of February 2025, we have been governed by Procurement Act 2023



Key Changes:

- **Introducing the central digital platform, enhanced Find a Tender** – a single platform for procurement opportunities, notices and other information – suppliers must register.
- **New Procedure – Competitive flexible procedure** combines multi-stage procedures under PCR15 into one, allowing for significant flexibility in planning stages into a procurement.
- **Publishing Requirements** – increased notices for more transparency, now throughout the life cycle of the procurement/contract
- **Debarment Regime** – suppliers who violate the law and have repeated poor performance will be barred from bidding for public sector contracts

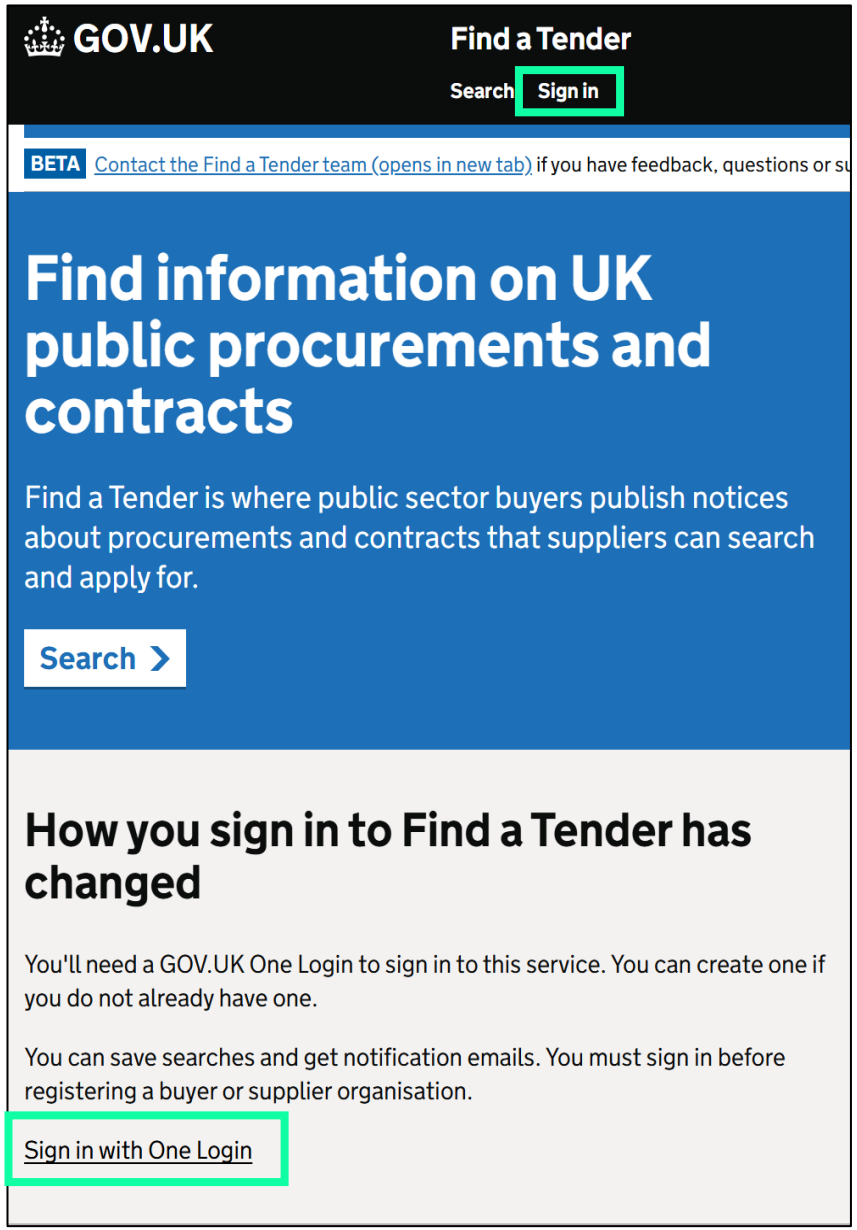
Key Principles:

- Delivering value for money
- Maximising public benefit
- Transparency and the sharing of information
- Acting with integrity
- Reducing barriers for SMEs

Central Digital Platform = Enhanced Find a Tender

UK Atomic Energy Authority

Since Feb 2025 Finder a Tender has been relaunched as a platform where supplier must **register** using some of their basic tender details to access opportunities and transparency notices published by all Public Sector.



UK Atomic Energy Authority

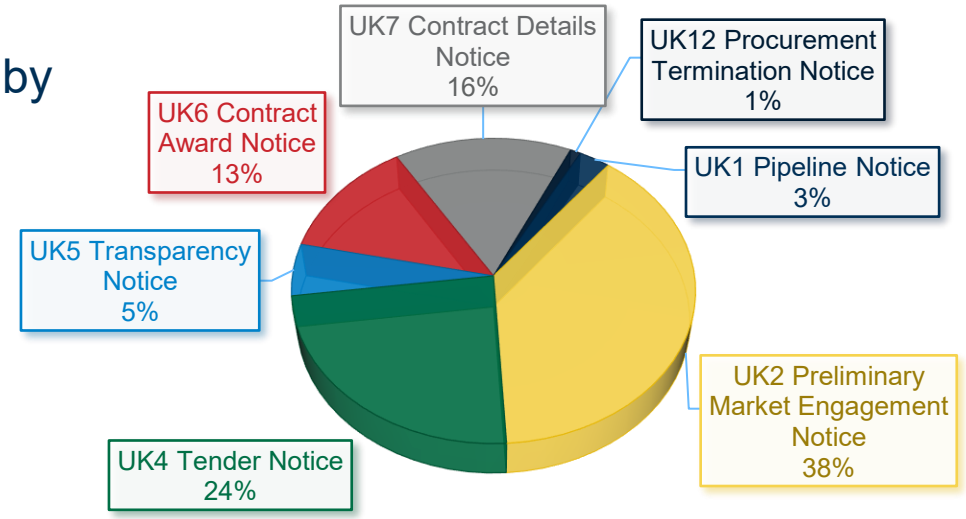
Organisation details

Organisation name	UK Atomic Energy Authority
Organisation identifier	• Public procurement organisation number (PPON) PLJV-1169-JTDD

Once registered you will be provided with a Public Procurement Organisation number, which we need in order to publish mandatory notices when working with suppliers.

PA23 notices published by UKAEA since Feb 2025

*up to 28th October 2025



Research and Development
R & D Pathway

Research and development projects that meet the criteria below can be treated as exempt from the Procurement Act 2023

This exemption can be applied for:

- R&D projects that are being carried out for benefit to the public

The research must also be conducted for either:

- purpose of acquiring new scientific and or technical knowledge
- manufacture and testing of prototypes

Opportunities will be advertised on our website from 1st May

Working with UKAEA: Commercial opportunities | UKAEA Fusion Energy

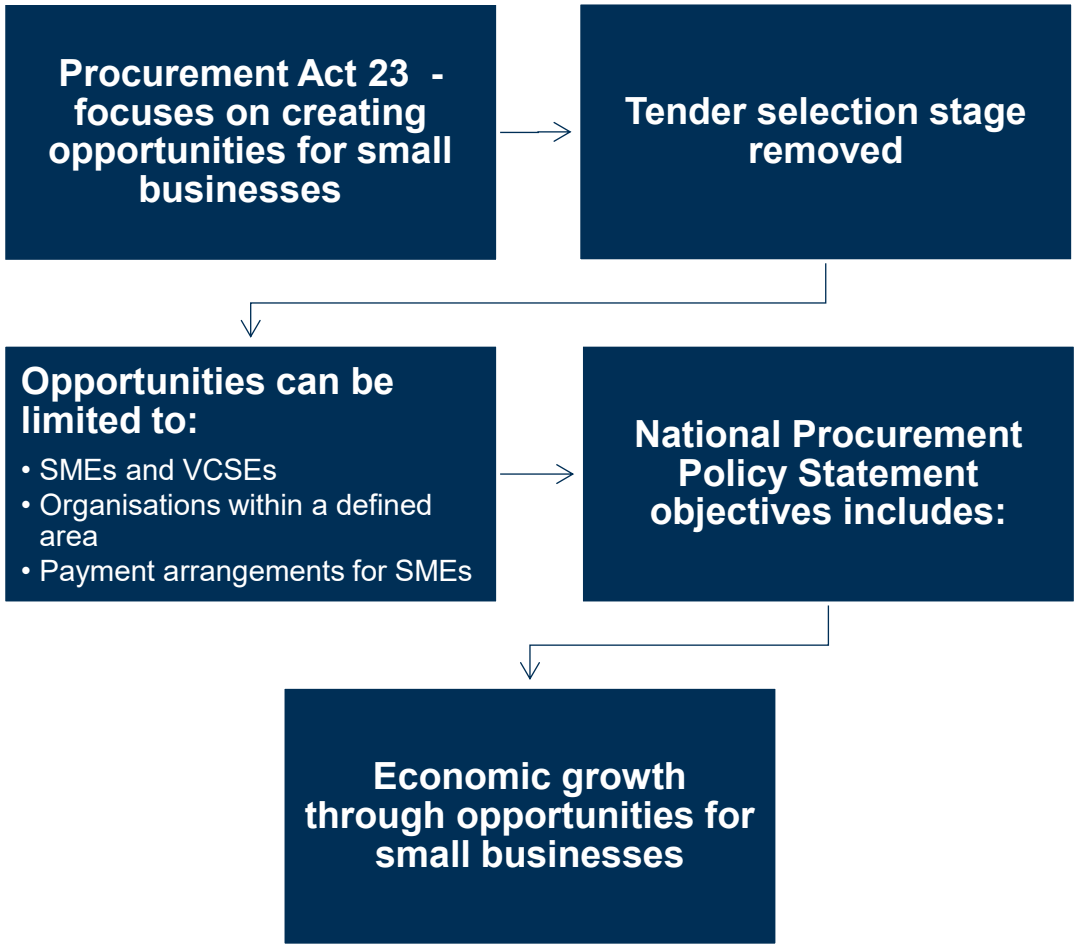
R&D Workshop – 13:30 – 14:15, Harwell room

UK Atomic Energy Authority

- The workshop will provide an explanation and overview of R&D Pathway
- Explain what is meant by R&D Pathway
- R&D Exemption Criteria
- How UKAEA will apply the R&D Pathway
- Where new opportunities will be advertised

The new process will be launched in May.

Below Threshold Tender Opportunities



UKAEA New Processes

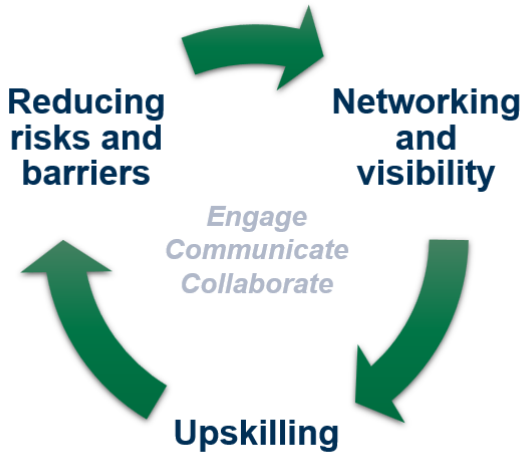
- New simplified process and templates, for requirements that are considered not complex.
- Reduced timelines for contract award decisions.

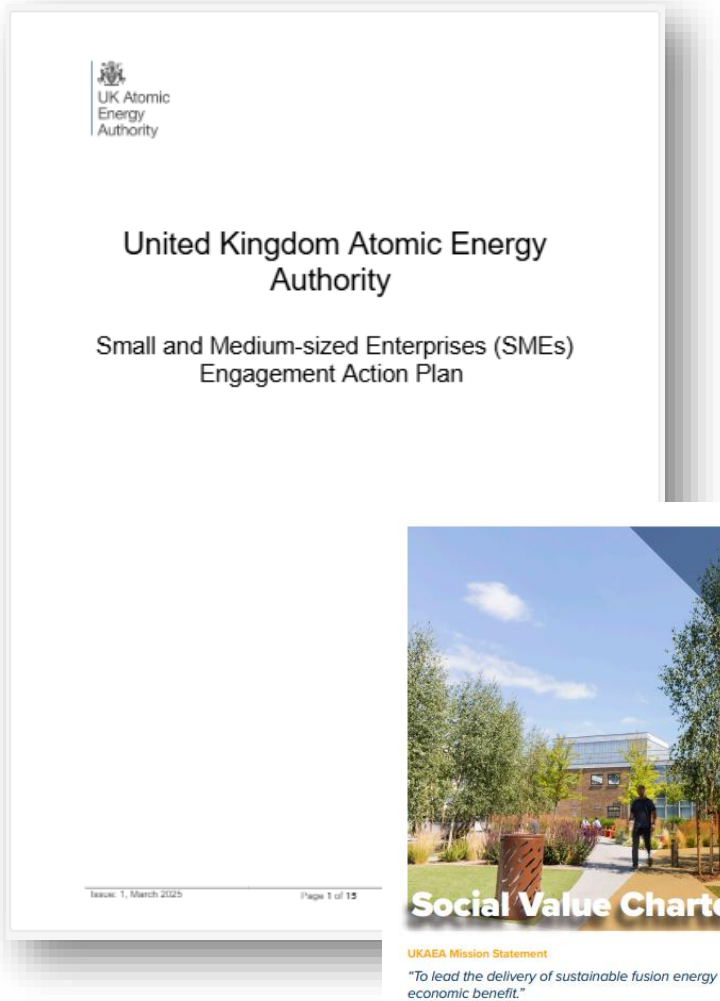
Opportunities developed for:

- SMEs and VCSEs only, or
- UK only businesses
- Larger contracts offered as Lots so smaller business can apply.

UKAEA's SME Action Plan FY25/26

Our objective was to reach a wider pool of small, medium and micro businesses and increase the number of SMEs we engage with to **build a diverse and resilient supply chain**.

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United Kingdom Atomic Energy Authority

Small and Medium-sized Enterprises (SMEs) Engagement Action Plan

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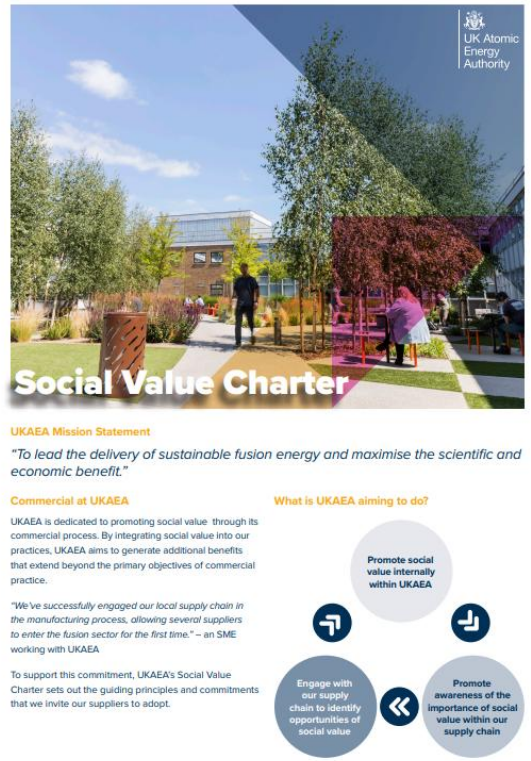

SME Action Plan:
Targets and objectives for FY 25/26

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Objective	Status
Increase SME engagement >10% from baseline figure	✅ **Achieved** Engagement increased by c. 30%. This increase can be directly attributed to activities introduced via Action Plan
Organise and deliver **1x SME Event**	✅ **Achieved** SME Collaborative Event: Showcase, Network, Learn was held on 30 September 2025. We welcomed 102 delegates. 89% of the companies in attendance were SMEs.
Establish and maintain an **SME Working Group**	✅ **Achieved** Our SME Working Group kicked off Thursday 5th March 2026, with the next session taking place in-person on Monday 18th May
Host 5 SME Surgeries throughout the financial year	✅**Achieved** We completed 5 SME Surgeries, resulting in 41 one-to-one sessions with SME organisations.
Host 3 'Training' Sessions throughout the FY.	✅**Achieved** We have hosted 6 sessions covering three different topics: Navigating Procurement Portals, Maximising Value: Procurement Pipeline, and Bid Writing.
Create and **deliver a regular stream of content on social media**, sharing updates, tips for SMEs.	✅**Achieved** We have coordinated campaigns to promote activities introduced and increased number of SME Spotlights and case studies shared. Our LinkedIn supplier group has grown to over 1,000 members and been used to share updates. A dedicated SME comms plan has been outlined for FY 26/27

SME Engagement Activities FY25/26

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SME Surgery	SME Event	SME Working Group	UKAEA Representation	SME Webinars
SME Surgery Sessions Took place June, August, October, December + February 40 sessions 42 total companies attended Companies size: 8 micro; 19 small; 10 medium; 5 large	SME Collaborative Event: Showcase, Network, Learn Took place on 30th September No. 35 UKAEA delegates + 67 external delegates 54 total companies attended Companies size: 12 micro; 20 small; 15 medium; 7 large	SME Working Group Kick off Meeting Took place on 5th March. No. 2 UKAEA delegates + 27 external delegates. 27 total companies attended Companies size: 6 micro; 12 small; 8 medium, 1 large	NIA SME Meeting 2026 Representing UKAEA as a Large organisation wanting to support SMEs Took place on 26th March 12 companies interacted with in total Companies size: 2 micro; 1 small; 2 medium; 7 large	29th January: Procurement Pipeline – Maximising Value 53 attendees; 47 companies Companies size: 31 SMEs; 16 large 12th February: Navigating Procurement Portals 49 attendees; 45 companies Companies size: 33 SMEs; 12 large 26th February – Bid Writing 37 attendees; 26 companies Companies size: 13 SMEs, 13 large

Key Impact Summary

- 10 SME-focused engagement activities delivered
- 281 total participants engaged
- ~85% average SME participation across activities
- 40 one-to-one SME Surgery sessions delivered
- 42 companies directly engaged through tailored discussions
- New SME Working Group established to support ongoing engagement

Objective for next year:
"Establish a structured SME Social Media Engagement Strategy, scaling activities to grow SME reach and drive increased participation"

Thank you for listening!

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Working Lunch
12:40 – 14:10
C7 canteen

Exhibition Booths
12:40 – 15:00
C7, 1st & 2nd Floors

Quick Talks: Commercial Edition
13:30 – 14:30
Frilford room

R&D Workshop
13:30 – 14:15
Harwell room

JET Site Tours
15:00 – 15:30
15:40 – 16:10

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Thank you