



12th Suppliers' Event Annual Executive Overview

25th April 2024



Welcome and Fusion Energy

Ian Chapman, CEO

Housekeeping

No fire alarms are scheduled for today.

This is a hybrid session.

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 events.

Please mind this is an apprentice facility, therefore it is important to remain within the confines of the event space (please see signage)

Note smoking / vaping is only permitted in the smoking area, found at the back of the building

Agenda

10:00 – 10:50 Presentations

- Welcome, Fusion Energy and Organisation Updates – **Ian Chapman, CEO**
- Fusion Futures Skills – **Justin Kingsford, COO & Nick Walkden, Head of Fusion Skills**
- Fusion Futures Industry Collaboration – **Steve Wheeler, Executive Director for Fusion Technology, Fuel Cycle and ITER Components**
- Lithium Breeding Tritium Innovation Programme (LIBRTI) – **Mark R. Gilbert, Head of Programme, Fusion Materials Interfaces**
- Materials Research Facility – **Valentine Kanyanta, STEM Portfolio Manager**

10:50 – 11:30 Coffee break

11:30 – 12:30 Presentations and Q&A

- Updates on STEP – **Sounak Dutta, STEP Director of Supply Chain and Commercial**
- Updates on JET Decommissioning and Repurposing – **Zac Scott, Director of JDR**
- Procurement at UKAEA – **Paula Barham, Director of Procurement**
- Fuelling Better Futures – **Elizabeth Paris, Chair of The Didcot Powerhouse Fund**
- Q&A [in-person]

Power Gen Capacity (GW), 2021



Objectives for UK fusion

Towards Fusion Energy 2023

The next stage of the UK's fusion energy strategy



October 2023

1. For the UK to demonstrate the commercial viability of fusion by building a prototype fusion power plant in the UK that delivers net energy
2. For the UK to build a world-leading fusion industry that supports different fusion technologies and is capable of exporting fusion technology in subsequent decades

The major parts of our likely future portfolio to 2028 worth ~£2Bn*

STEP Tranche 2a

JET
Decommissioning
and Repurposing

Fusion Futures

Baseline activities

£650M FUSION FUTURES PROGRAMME



WORKSTREAMS

FACILITIES

INDUSTRIES

SKILLS

RESEARCH

OPERATIONS

MECHANISMS

- Fusion Fuel Capability (Blankets)
- Technology Transfer Hub
- Cluster Development

- ITER industry access via in-kind contribution
- International Collaborations
- Fusion Industry Programme
- STEP Enhancement/ Systems Prototype

- International fellowships
- Skills elements are also developed within the other workstreams

- ITER science agreement
- JET
- EUROfusion
- Fission R&D

- ITER operational exchange
- Operational experience will also be developed within the other workstreams

Executive Team

UKAEA Group & Corporate Services



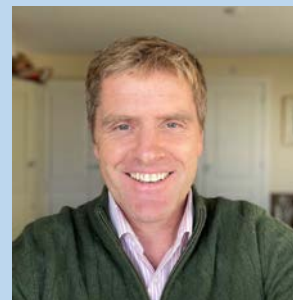
Ruth Elliot
CFO and Exec Director
of Corporate Services



Tim Bestwick, OBE
Deputy CEO and Chief
Development Officer



Sir Ian Chapman
CEO



Justin Kingsford
COO



Nicola Barber
Director of Risk
Assurance &
QSHE



Edward Lewis-Smith
Head of Executive
Office

UK Industrial Fusion Solutions



David Gann, CBE
Chair

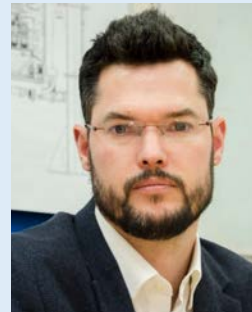


Paul Methven, CB
CEO

UKAEA National Laboratory



Steve Wheeler
Exec Director
for Tritium
Fuel Cycle,
Fusion
Technology &
ITER



Joe Milnes
Exec Director
for Engineering,
Computing &
STEP Partner



Amanda Quadling
Director for
Materials,
Blankets &
Fusion Research
Programme



**Rob Buckingham,
OBE**
Exec Director for
Robotics,
Repurposing &
Decommissioning



Fulvio Militello
Director for
Plasma Science
& Fusion
Operations



Alli Brown
Director of
Finance



William Morris
Chief Scientist

New Hornbill Building



Construction on target for completion June 2024.

Topping out ceremony held Friday 8th March.

Please talk to us about space on campus





UKAEA Suppliers Day

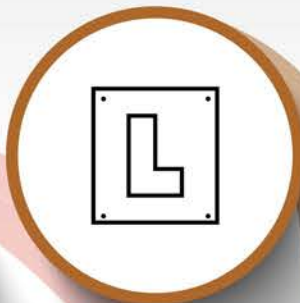
Fusion Futures Skills

Justin Kingsford – COO and Programme SRO

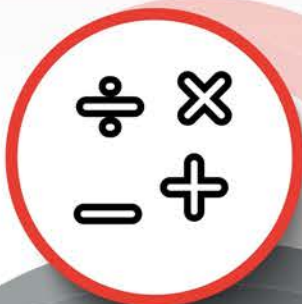
Nick Walkden – Head of Fusion Skills, and Programme Director

Fusion Skills

Apprentices



Early years



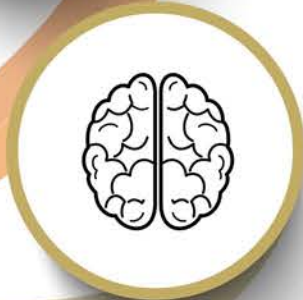
Undergraduates → Graduates



Diversity in STEM



Postgraduates → PhD



Transfer experienced professionals

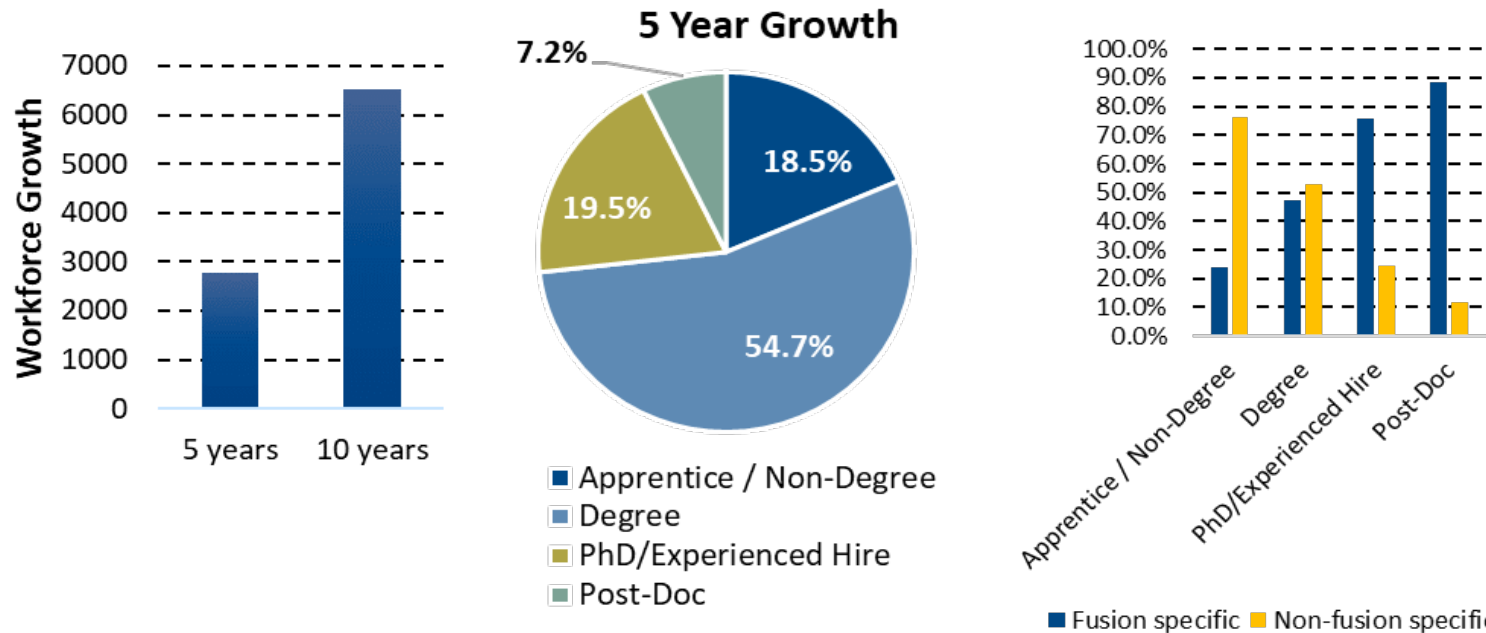


Post-doctoral + International fellowships



What is the demand?

Required workforce growth to meet programme objectives in public and private sector programmes in fusion estimated to be between 2000 and 3000 in the next 5 years

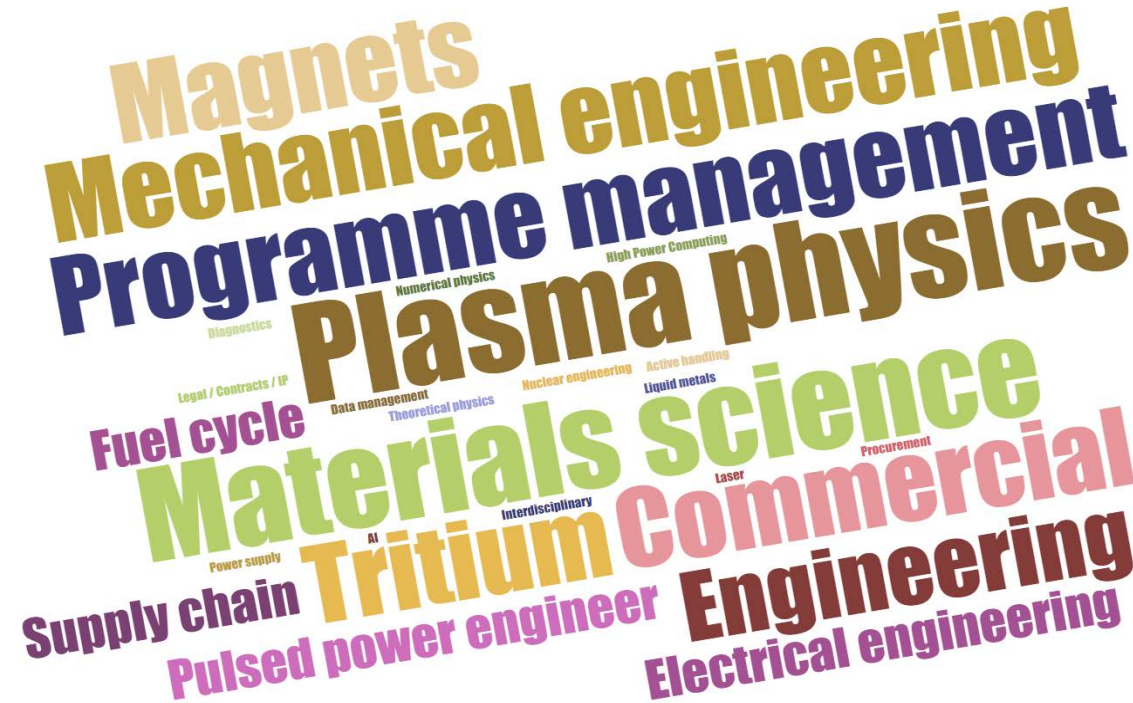


Estimates generated by the Fusion Skills Council in May 2023

What is the demand?

Many skill areas are at risk of becoming pinch-points for the sector without intervention

Not just specialist, or even technical, disciplines



Skill areas at risk of becoming pinch-points as ranked by the Fusion Skills Council in May 2023

Train over 2200 people in the next 5 years by working with business to increase the number of apprentices and graduates, universities to increase the number of postgraduate and PhDs, and international partners to increase post-doctoral training opportunities within fusion.



Department for Energy Security & Net Zero

Towards Fusion Energy 2023

The next stage of the UK's fusion energy strategy

October 2023

Enablers

Skills

People are the greatest national asset that a country can have. People provide the ideas, carry out the research, build the technology and operate the machinery that can transform a country's R&D capability.

The UK is already a hotbed of industrial and academic fusion talent building on its long history of fusion research as set out in the scientific and commercial leadership chapter of this strategy. UKAEA is a beacon of technical fusion expertise – now the largest fusion organisation in the world employing 2400 people - and UK fusion academics are leaders in their field.

The UK Atomic Energy Authority (UKAEA) runs the **Oxfordshire Advanced Skills (OAS) Centre** at its Culham Campus, in partnership with the Science and Technology Facilities Council. Since 2019, the expanded OAS Centre trains 460 learners for UKAEA and 35 industrial partners, with 80% of apprentices going to local industry. Specialising in areas such as power engineering, AI, robotics and nuclear design, OAS apprentices routinely win local and national awards. The OAS programme will expand with centres at Harwell and create the East Midlands Skills Centre at West Burton, Nottinghamshire.

Despite this, the UK cannot assume the needs of the future fusion industry will be met without support. To create a thriving fusion sector that provides commercial energy to the grid, the UK will need to start expanding its a highly skilled, multi-disciplined, diverse fusion workforce now. The size of this workforce will then need to ramp up as the commercialisation of fusion becomes reality.



Figure 16 – UKAEA scientist and trainee
(© UKAEA)

The Fusion Skills Council¹⁶ have estimated that the fusion workforce will need to grow by at least 3000 people within 5 years and by 7000 people within 10 years. This is likely to be an underestimate of the needs of the entire sector. This presents a significant challenge to fusion when S&T skills are in high demand worldwide.

The UK has the ambition that the current and next generation will see fusion energy as a career choice in its own right, as they would view the aero, space, automotive and medical sectors. We will boost the fusion talent pipeline across all levels from apprentice to post-doctoral and tackle not only technical skills but generalist too such as programme and supply chain management.

As part of Fusion Futures, we plan to invest up to £56m in a Fusion Skills Programme to train over 2200 people in the next 5 years by working with business to increase the number of apprentice and graduates, universities to increase the number of fusion postgraduate and PhDs and international partners to increase post-doctoral opportunities.

The investment will initially be for UKAEA to expand their skills offering across all qualification levels with the expectation that partners match government funding. This programme will also aim to increase the transfer of skills into the fusion sector and broaden the geographic offering of fusion training and represent a significant outreach programme, particularly targeting under-represented groups.

We will also support international fellowships to attract the best talent into the UK and identify opportunities for UK talent to gain exposure to opportunities abroad.



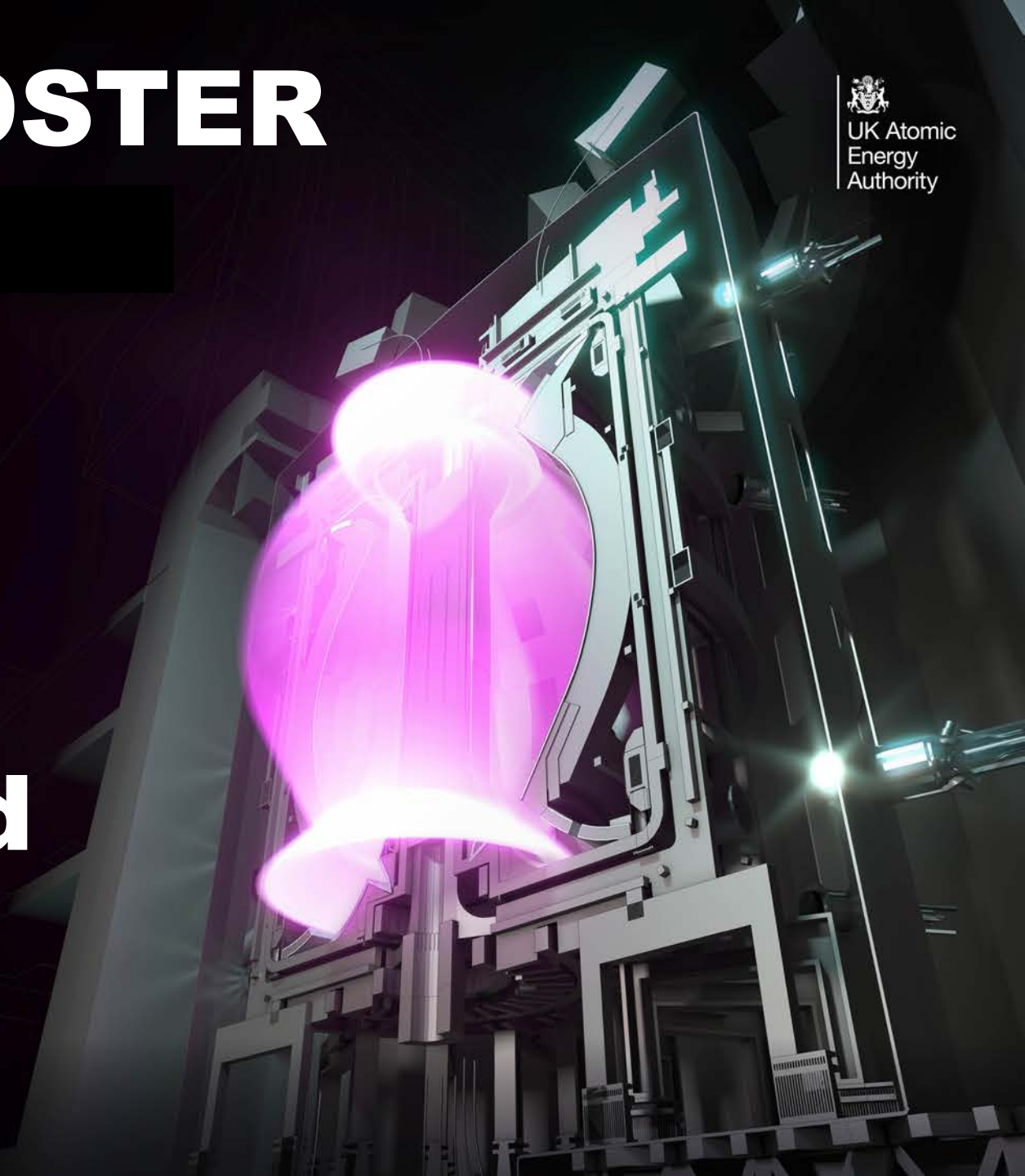
Figure 17 – UKAEA engineers
(© UKAEA)

¹⁶ A cross-industry group of UK fusion developers, suppliers and training providers that informally advise DESNZ on fusion skills issues in the UK.

Introducing.....FOSTER

F – Fusion
O – Opportunities
S – in Skills
T – Training
E – Education, and
R – Research

Developing the #FusionGeneration



The FOSTER Vision



**To build a fusion skills ecosystem
– with international reach – that
can train, develop, and grow the
fusion generation who will deliver
fusion energy to the grid.**



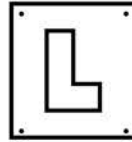
Developing the #FusionGeneration

Fusion Skills

Collaboration

- **Fusion Engineering Doctoral Training Partnership** – competition to launch Q1 this FY
- **University training partnerships for PhD and M-level study** – open to discussion now from potential partners
- **Partnering with training providers for apprenticeship standard development** – scoping and identification beginning in Q2 this year
- **Partnering to develop adult education and cross-training courses** – next FY
- **Cross-sector collaboration for shared CPD and secondment** – discussions to begin this FY

Apprentices



Fusion Skills Programme



Procurements

- **Fusion sector diversity report and action plan** – planned to launch tender Q1 this FY
- **Digital platform for a National Fusion Skills Hub** – Scoping under way, planned tender launch in Q2
- **Media for fusion career seekers** – Scoping under way, planned tender launch in Q2

Other bidding opportunities

- **Fusion PhD sponsorship vouchers** – Competition to run Q2/Q3 this FY
- **Fusion internships scheme** – Competition to open Q3 this FY
- **Visiting industrial professorships** – scheme to launch in Q3/Q4 this FY

The Fusion Skills Council



UNIVERSITY OF BIRMINGHAM



Thank You

Nick Walkden – Nick.Walkden@ukaea.uk

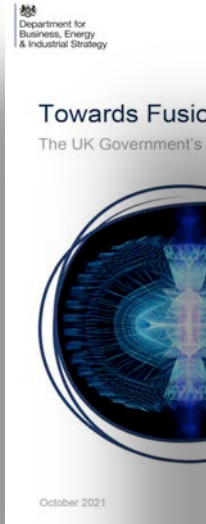
General Support – Fusion.Skills@ukaea.uk

Developing the #FusionGeneration

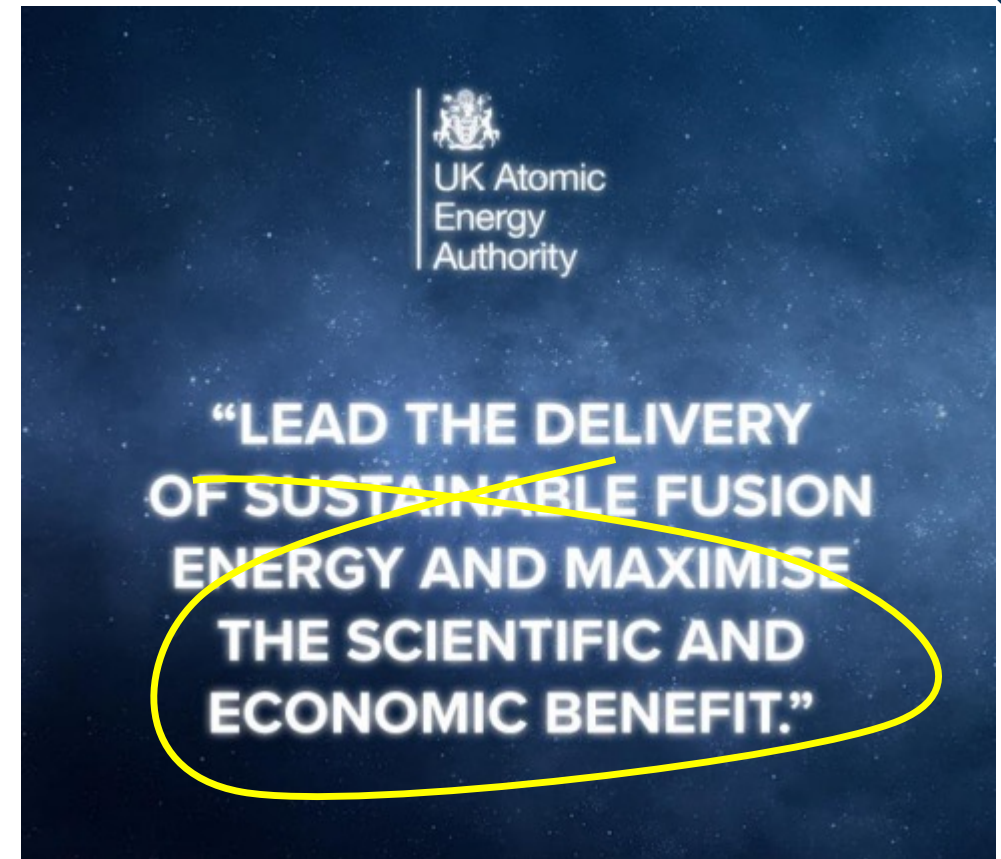


Fusion Futures ITER & Industry Collaboration

**Steve Wheeler, Executive Director for Fusion
Technology, Fuel Cycle and ITER Components**



1. For the UK to demonstrate the commercial viability of fusion by building a prototype fusion power plant in the UK that puts energy on the grid.
2. For the UK to build a world-leading fusion industry which can export fusion technology around the world in subsequent decades.

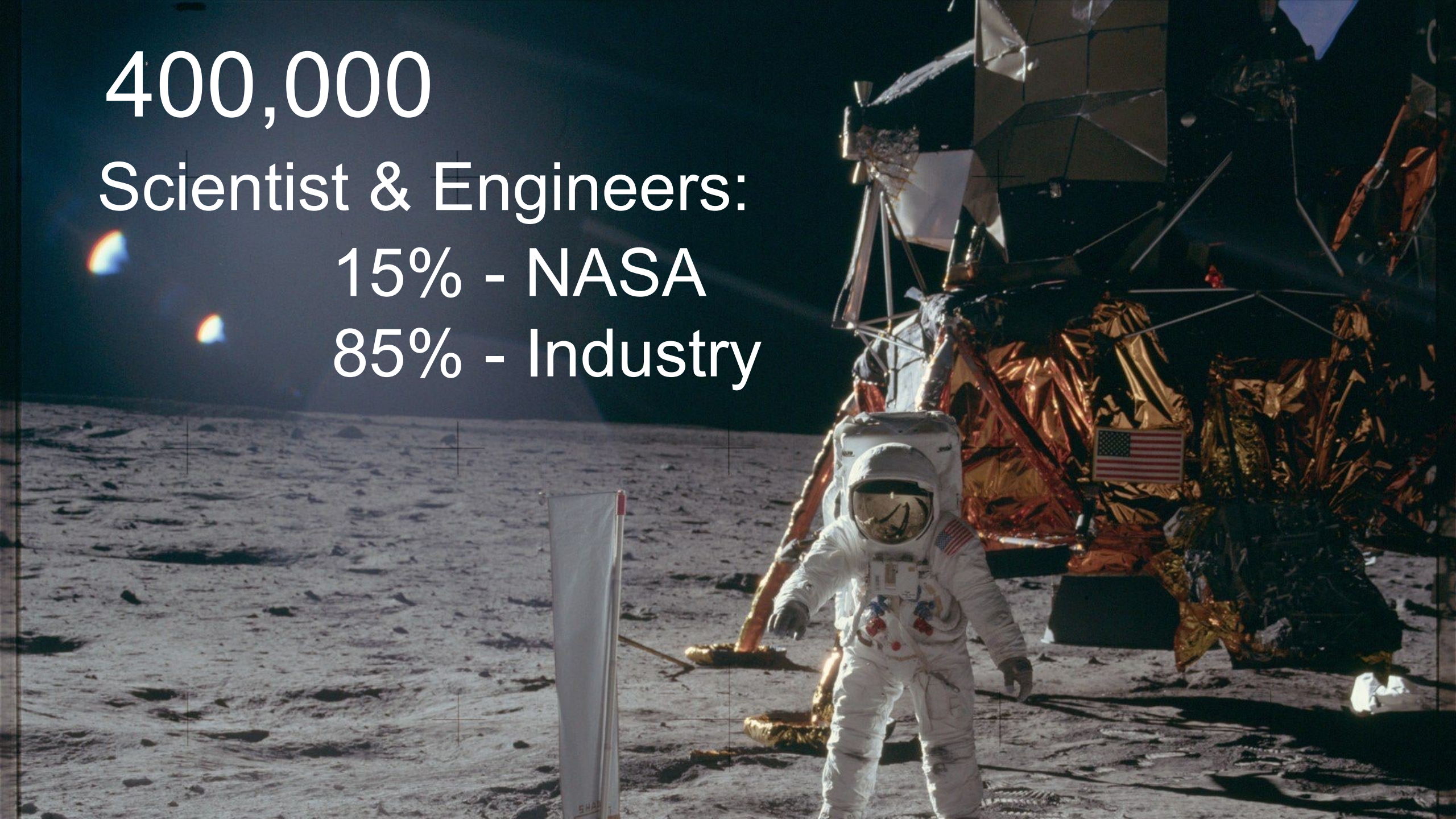


400,000

Scientist & Engineers:

15% - NASA

85% - Industry



Fusion Futures Programme for ITER In Kind & Industrial Capability

Up to £200 million investment, to ensure that industry can develop and design components for future fusion powerplants.

Starting April 2024 and lasting for 4 years.

Our preference is to use the funding to support the ITER Programme.

- We continue to actively pursue new ways to collaborate with the ITER Programme
- This could include both resource and hardware, financed by UKAEA and provided as an in-kind contribution to IO.
- If this is not possible, we will seek to deliver the same impacts through different mechanisms, focusing activities in areas that will build the capabilities required to deliver a fusion power plant

Workstream Goals - Capability

Secure access to or provide directly, large scale **design and build** opportunities to UK industry.

These are opportunities to develop industry **capacity and capabilities** which are key to the development of future fusion powerplants.



“ Capability ”

Ability to efficiently and effectively produce goods and services



Competence

- Knowledge
- Technical Expertise
- Skills
- Tools

Facilities

- Production
- Test
- Development

Relationships

- Supply Chain Networks
- Partnership and collaboration networks

Develop IP

- Proprietary IP
- Fusion and adjacencies

**Remote Handling
Assembly
Hot Cell
Tritium Fuel Cycle
Waste Management
Fusion Diagnostics
Microwave Heating**

£M	24/25	25/26	26/27	27/28	Total
Industry Capability	11.8	30.9	48.8	56.0	147.5

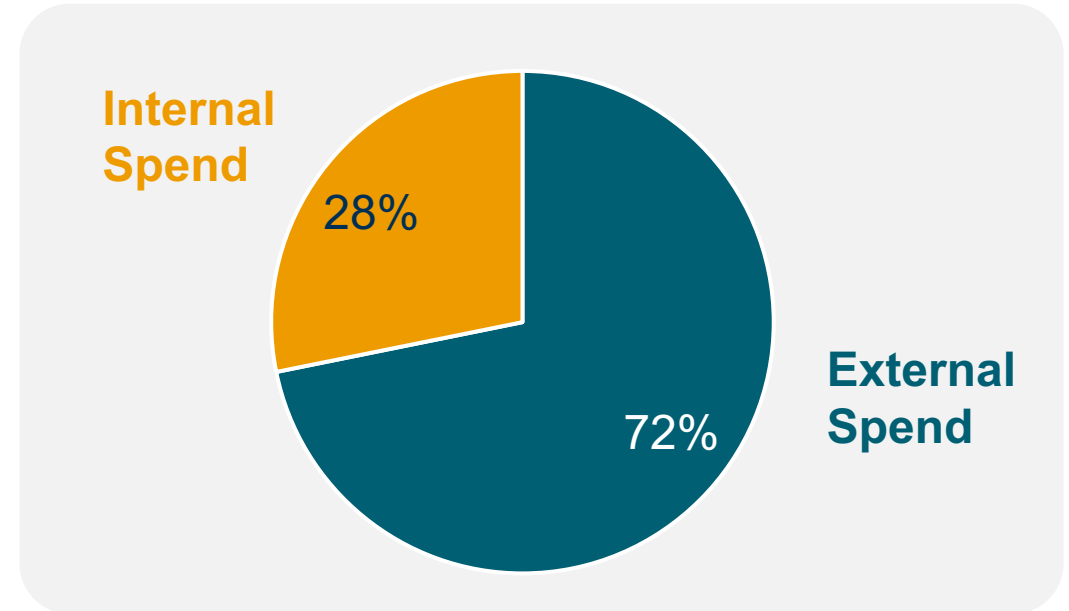
Submissions Fast Facts...

86 proposals received

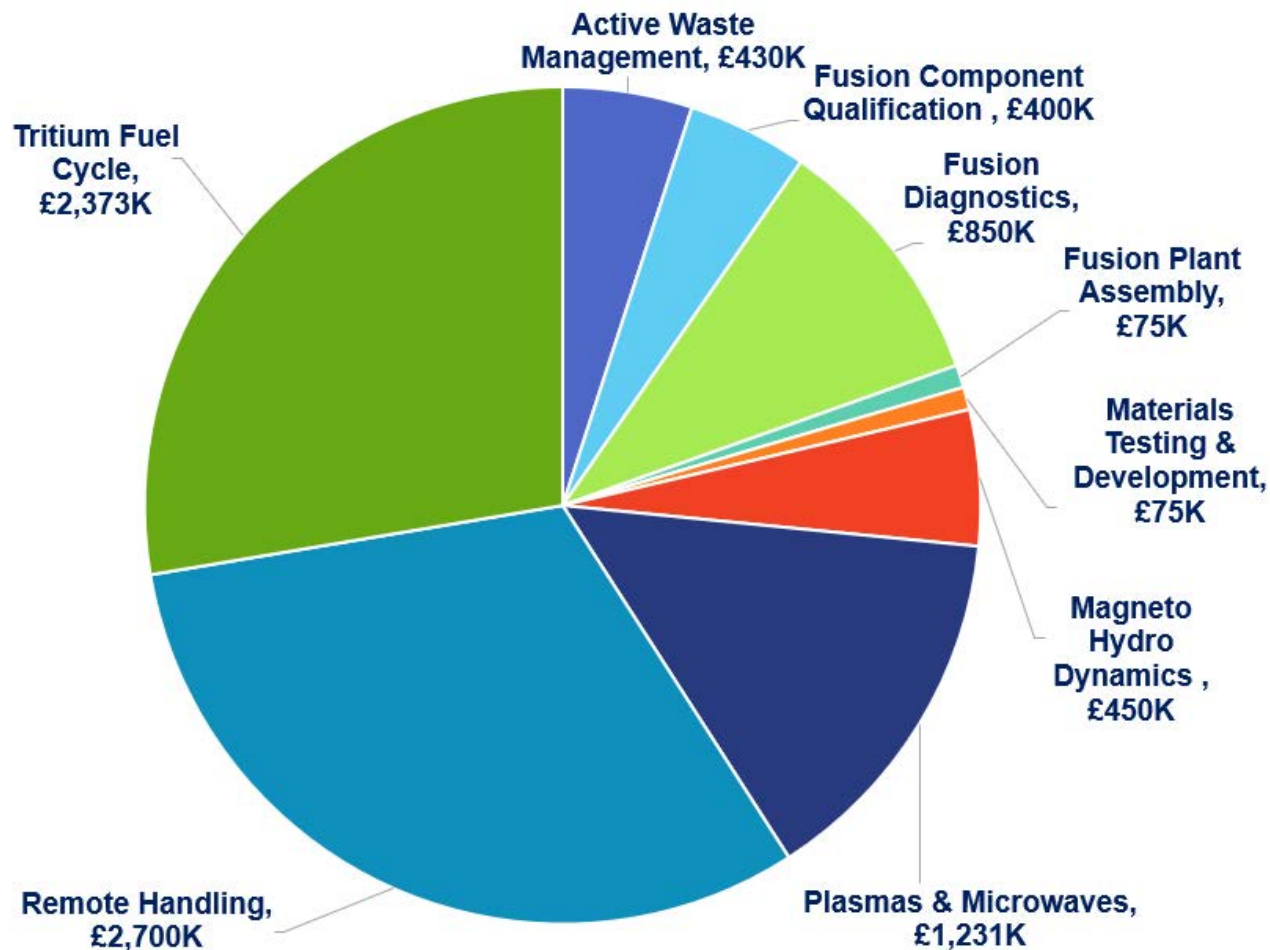
£40M Y1 cost

£151M total cost

Lowest value proposal was **£25k**, highest value **£18M**

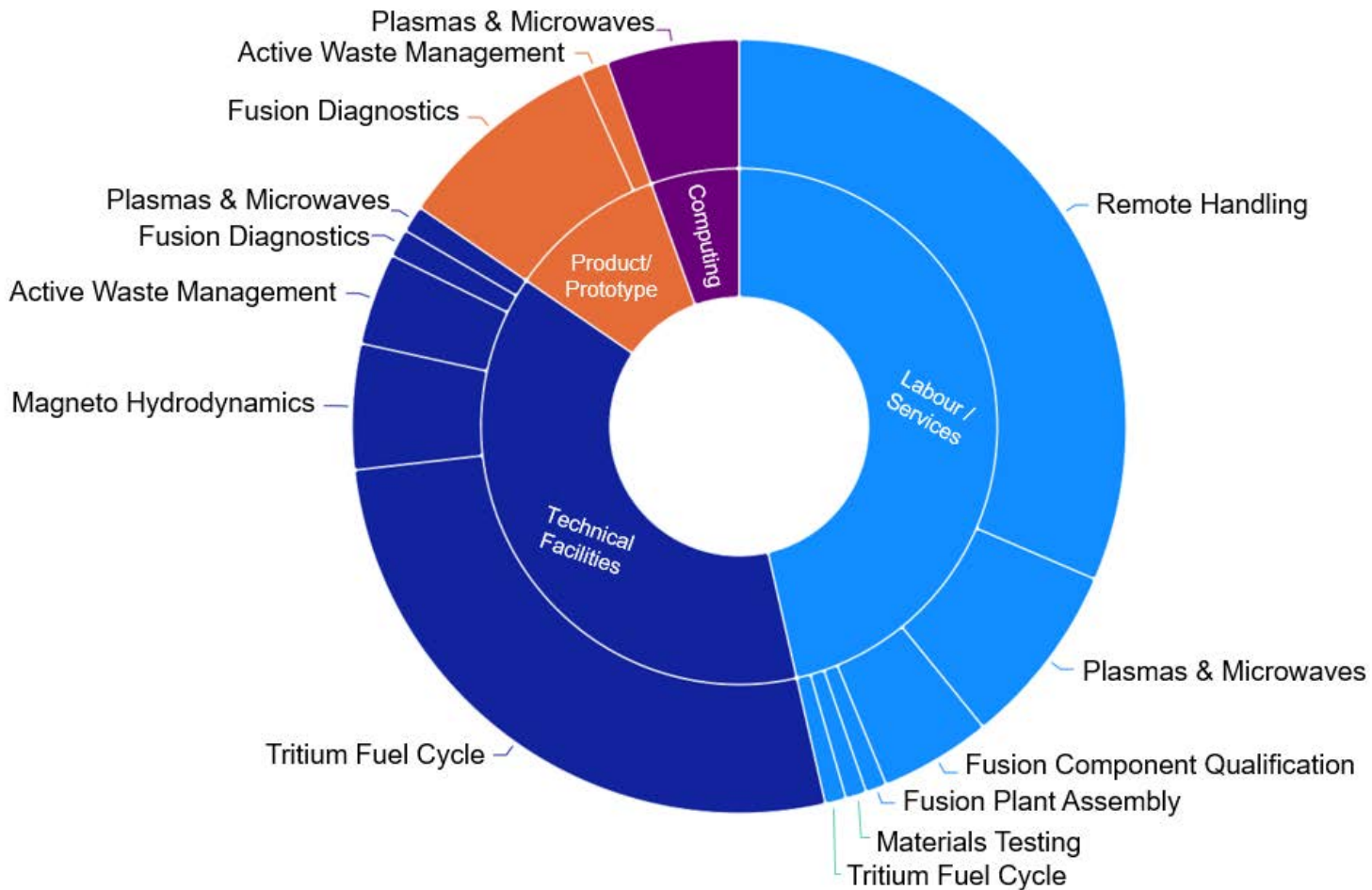


Year 1 – Project Portfolio



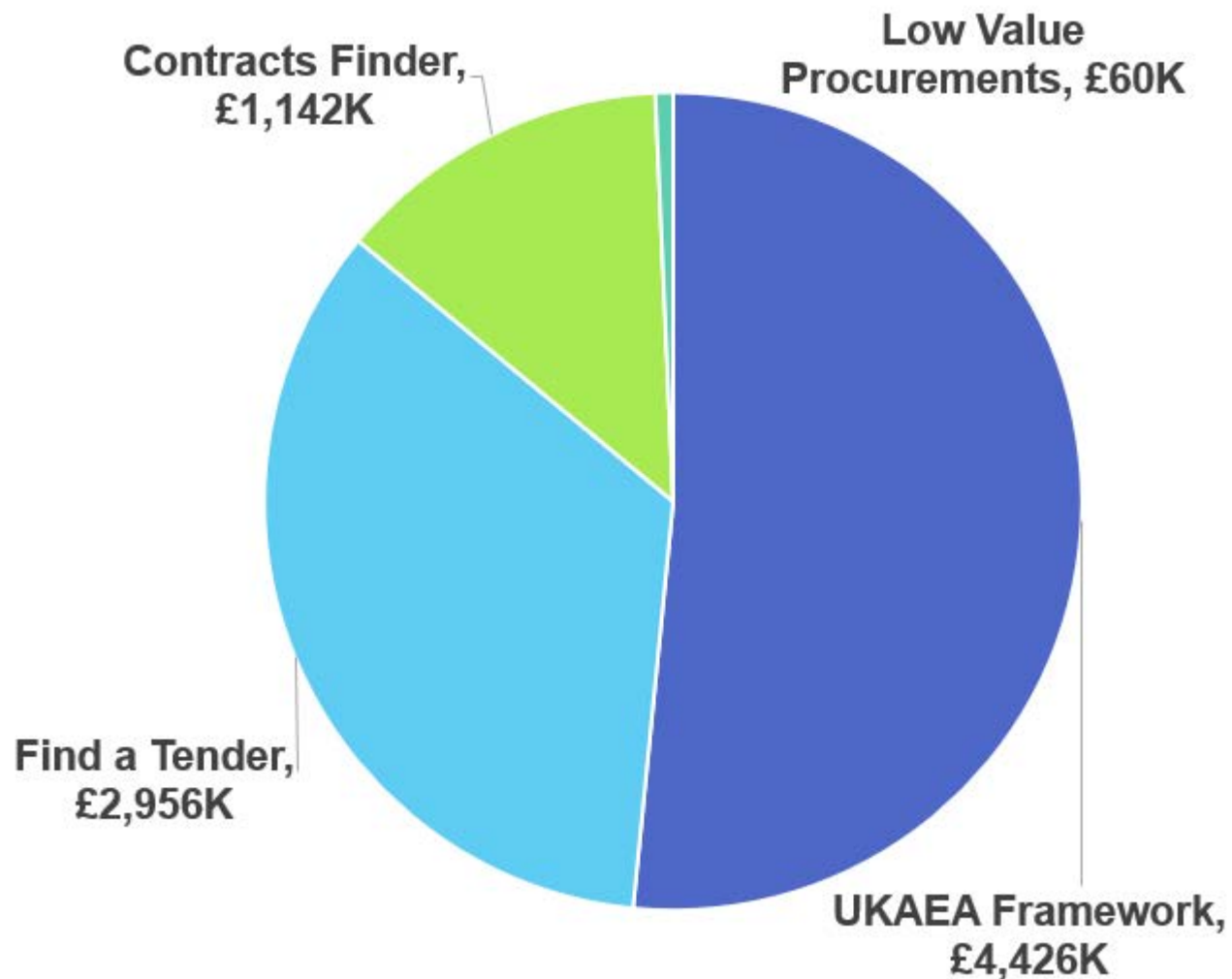
Technology Theme	FY 24/25 Planned Spend
Active Waste Management	£430,000
Fusion Component Qualification	£399,500
Fusion Diagnostics	£850,000
Fusion Plant Assembly	£75,000
Materials Testing & Development	£75,000
Magneto Hydro Dynamics	£450,000
Plasmas & Microwaves	£1,230,914
Remote Handling	£2,700,000
Tritium Fuel Cycle	£2,373,088

Year 1 – Project Portfolio



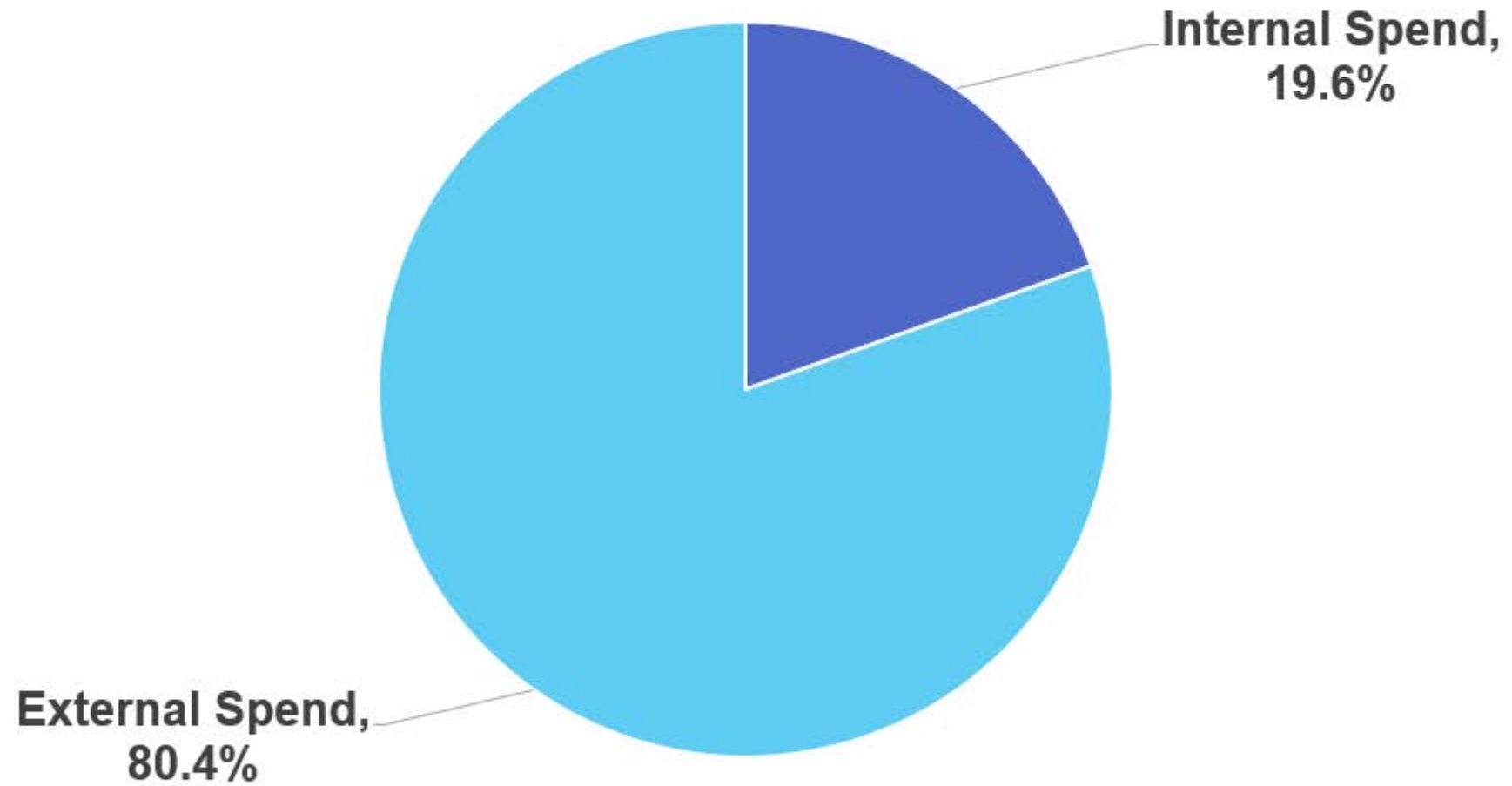
Technology Theme	FY 24/25 Planned Spend
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Fusion Diagnostics	£850,000
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Materials Testing & Development	£75,000
Magneto Hydro Dynamics	£450,000
Plasmas & Microwaves	£1,230,914
Remote Handling	£2,700,000
Tritium Fuel Cycle	£2,373,088

Year 1 – Project Portfolio



Framework Breakdown	FY 24/25 Spend	No of Procurements
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Engineering Design Services	£1,693,000	15
Embedded Engineering Resource	£2,233,278	16
IT Managed Services	£425,000	1
Project Delivery Services	£75,000	5
Total	£4,426,278	37



UKAEA

LIBRTI- Lithium Breeding Tritium Innovation

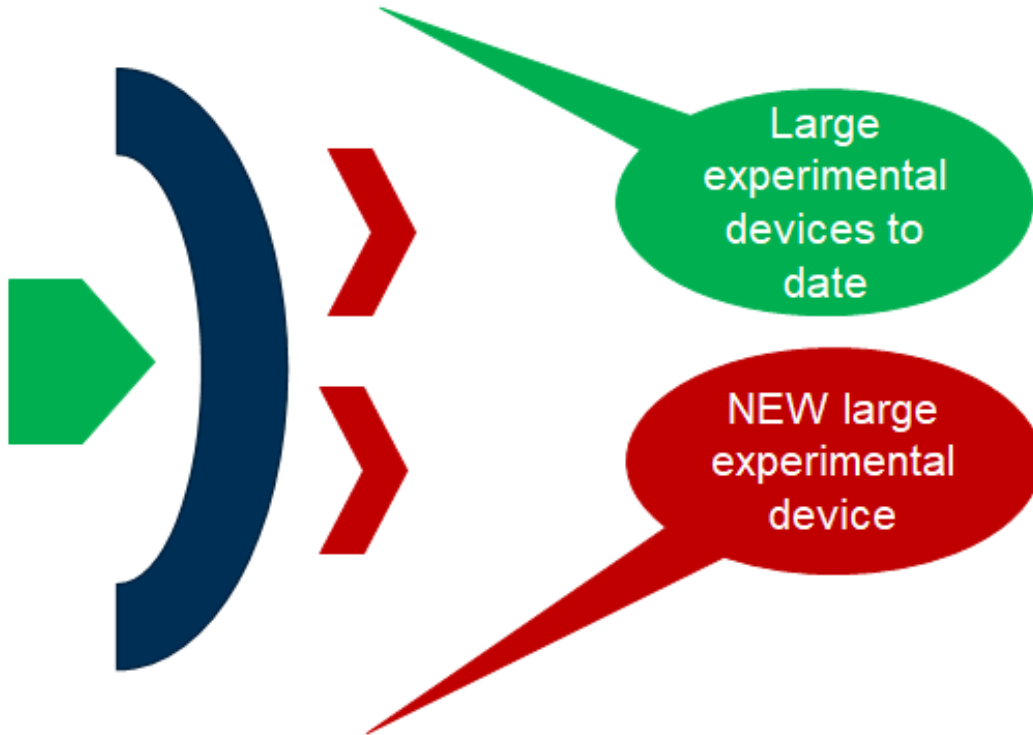
UKAEA Suppliers Event – April 2024

Dr Mark Gilbert, Head of Science, LIBRTI

FUSION FUTURES



LIBRTI: ~£200m Fusion Fuel Capability Programme

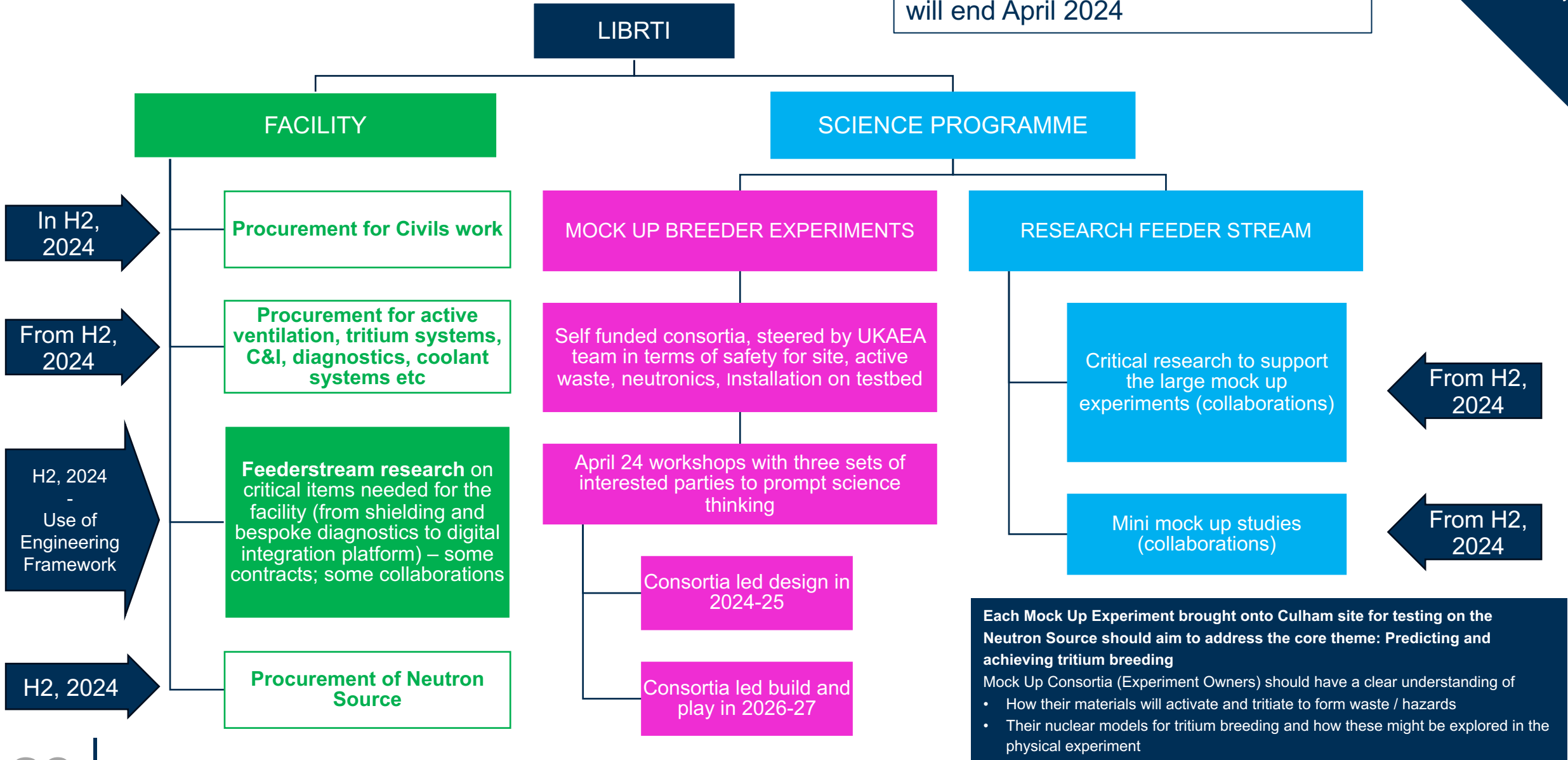


- ✓ Predict and reproducibly achieve
- ✓ Known quantity of tritium out for known quantity of neutrons in
- ✓ Across a given lithium substrate (liquid, solid, anything inbetween)
- ✓ LEARN BY DOING
- ✓ PHYSICAL INTEGRATION
- ✓ IN SILICO REPLICATION

A globally unique testbed for benefit to the wider fusion community planning powerplant builds

Programme at High Level

Guided by RFI /PIN responses.
Procurement-led market engagement
will end April 2024



Response to RFI / PIN



UKAEA is prompting **MOCK UP Consortia**, based on **RFI responses**, via **3x April 2024 Workshops**

Molten-salt breeder



Liquid metal, high-temp breeder



University of BRISTOL



Solid breeder

Each April 2024 Workshop includes at least one entity:

- Who wants to use a breeder for their fusion device and might have some funding options to help develop this breeder
- Who has already significantly progressed an option on a breeder and might have real chance of presenting a physical mock up to the LIBRTI source within 3 years

LIBRTI will create a bespoke and dedicated Framework for Engineering Design and Facility Integration Support in the second half of this year



RFI / PIN respondents

- The UKAEA has created a number of these frameworks in the past few years and the LIBRTI framework will follow a similar model
- The aim will be to grow capabilities across the sector, while ensuring competitive use of UK gov funds
- The framework will use the Best Athlete model: as each work package is released, there will be a roundtable briefing and mini tender to draw down / call off work

Key Contact: Carl.Evans@ukaea.uk

Senior LIBRTI team



Senior Responsible Officer
Amanda Quadling

Director of LIBRTI
Interviews in progress

Head of Science
Mark Gilbert

Head of Engineering
Rob Bamber

Head of Programme
Craig Halewood



FEEDER STREAM: Possible contracts and collaborations, based on RFI / PIN response

- Neutron imaging and diagnostics capability
- Neutronics validation of facility
- Gas composition diagnostics
- **Tritium (species) accountancy**
- **Modelling of tritium movement through solids and gases**
- Simulation and Sensitivity Analysis on tritium modelling
- **Tritium extraction from lithium** and measurements
- Tritium in situ detection
- Impurity characterisation / assaying in breeder materials and liquids
- Molten salt handling
- Flux boosting on neutron sources
- Activated corrosion product tracking / accountancy
- Manufacture of breeder ceramics (foams, fibres, sponges, spheres) and multipliers
- ‘Safety of Box’ – high pressure / temp gas testing with materials
- 3D engineering simulation capability
- Environmental qualification of Facility
- Facility waste route development
- Digital control for radhard environment
- Digital integration
- Virtual plant simulation
- Digital model of components / Manufacturing digital passports

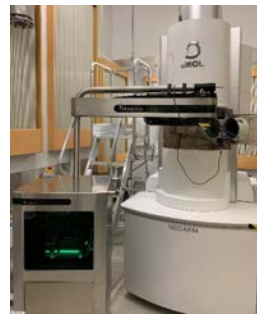
Key Contact: Carl.Evans@ukaea.uk

Materials Research Facility (MRF)

Dr Valentine Kanyanta, Head of Large Projects - Materials

Materials Research Facility (MRF)

- UKAEA's MRF provides testing and characterisation of irradiated (activated) materials
- Opened in 2016
- £50M+ invested to date



200 kV
NEOARM
TEM with
Gas Cell
System
(Protochips)



Physical
Properties
Measurement
System



MRF has a range of capabilities from high resolution microscopy to mechanical testing at engineering relevant (“mm”) scales

Characterisation
and testing
outputs support:

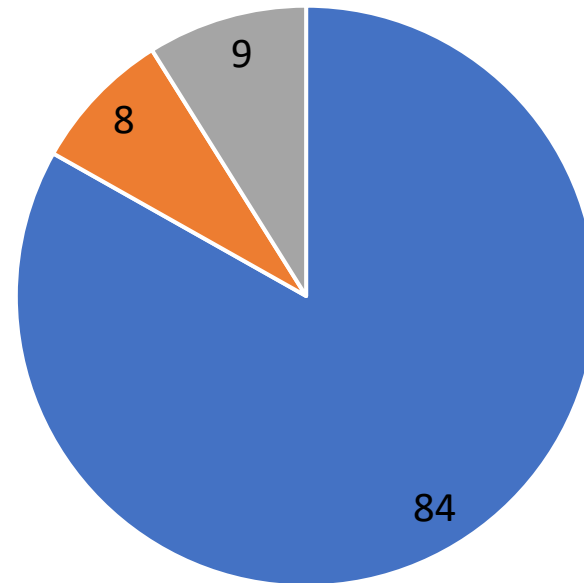
Modelling

Materials Design &
Development

Power Plant Design
& Operation

We Work with National & International Suppliers

101 Suppliers supported MRF in 2023/24 FY



■ Industry-UK

■ Industry-International

■ Universities

*Our suppliers have provided a range of services from **design and installation of new test capability, supply of scientific equipment, consumables, and equipment repair/maintenance.***



Examples of Current MRF Projects

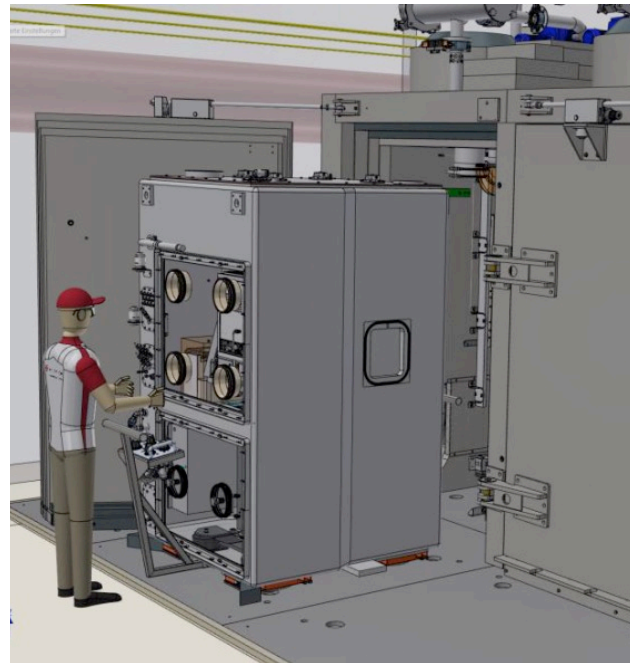
Hot Cells Extension (2022 – 2025)

Testing of engineering relevant size (mm-scale) irradiated specimens to provide ‘Engineering Assurance’.

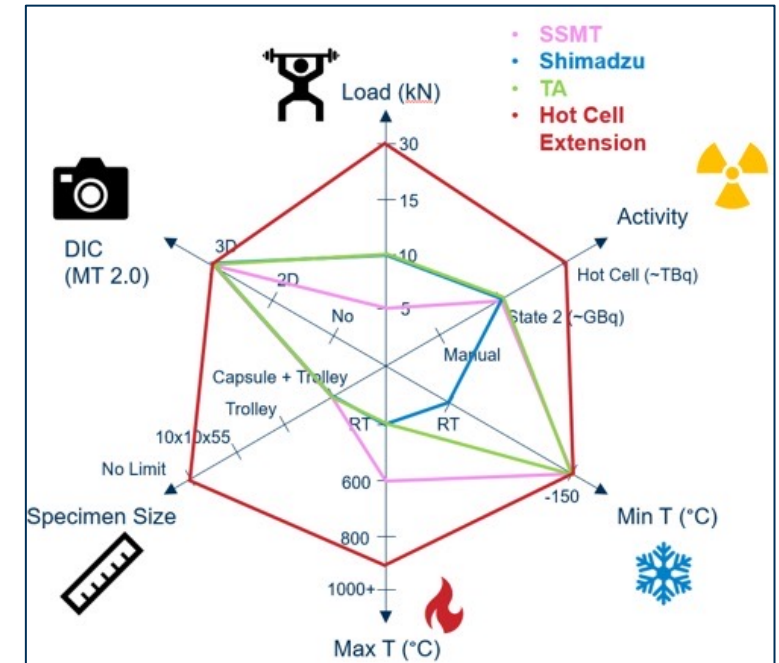


Cross-section view of new hot cells with integrated scientific instruments

- Hot cells with integrated scientific instruments (sample fabrication machine & mechanical testing load frame)
- Utilises “removable containment box” concept for future proofing
- Fully installed and commissioned by **March 2025**



“removable containment box” concept

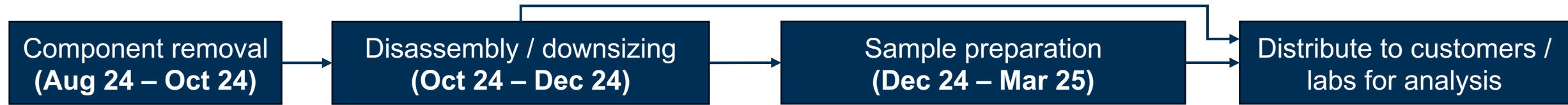


How new capability compared with existing

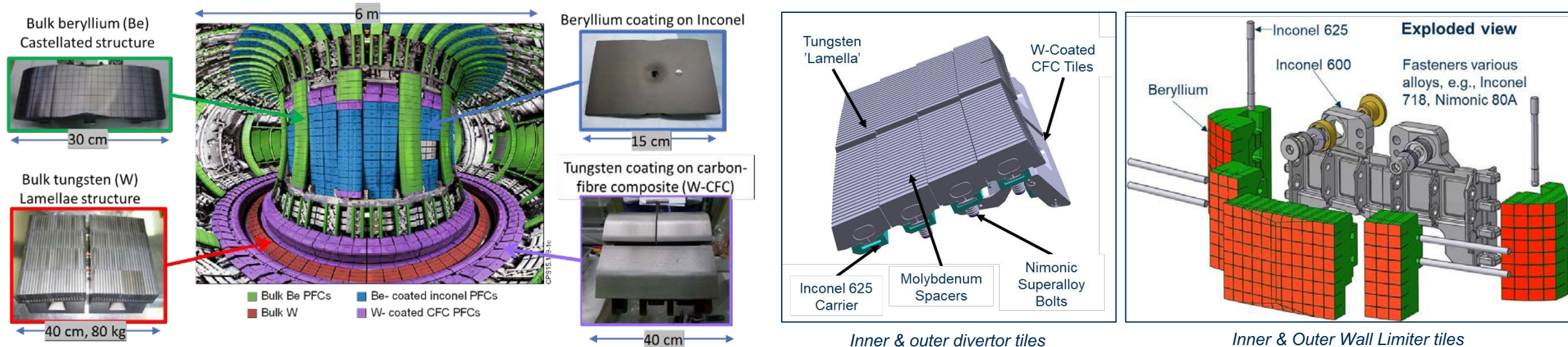
JET Materials R&D (2024 -)

- Representative JET materials and samples to be extracted for R&D
- Once in a lifetime opportunity to study materials exposed to D-T fusion conditions during the 40 years of JET operations
- Samples available to industry and academia at a small cost (contribution towards cost of sample extraction and preparation)

Sample Extraction Timeline:

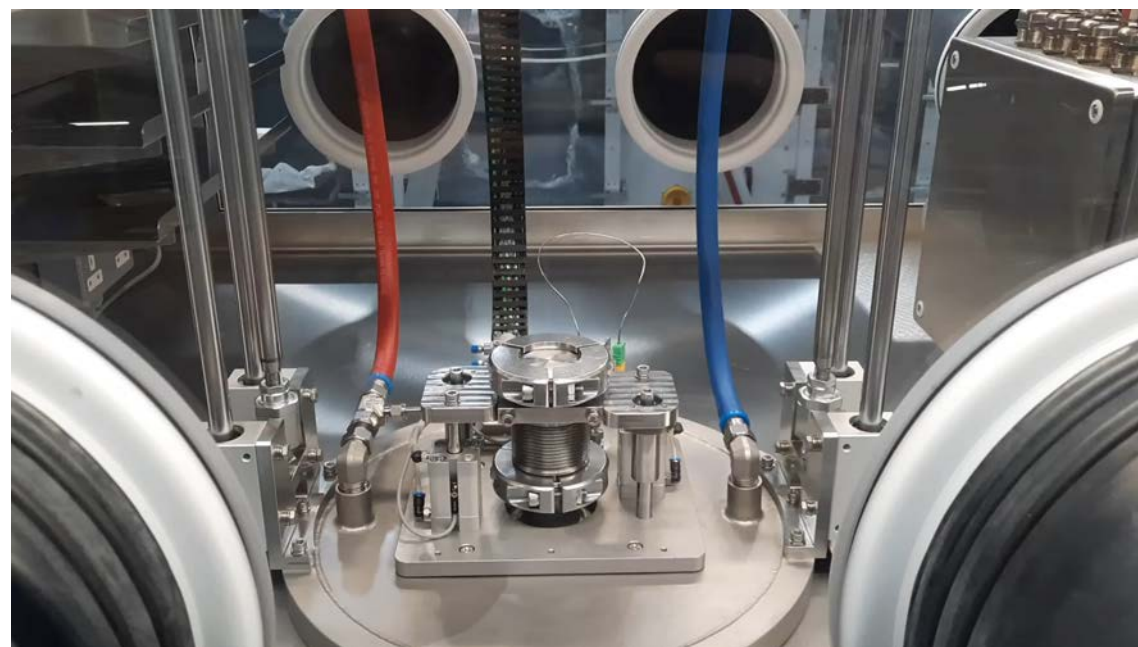
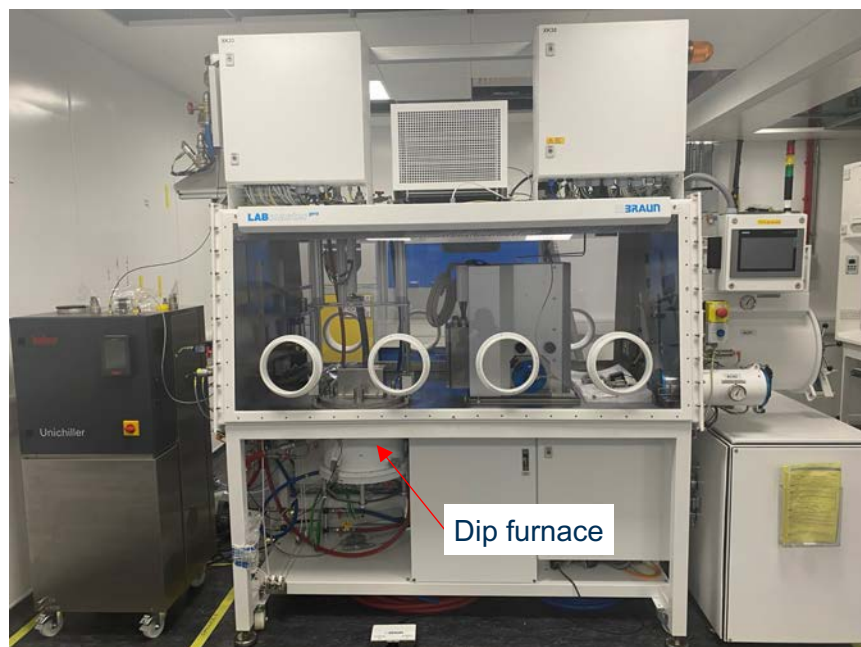


Several plasma-facing components (PFCs) will be extracted from divertor, inner and outer wall regions:



Lithium Corrosion Rig (2023 – 2024)

- Capability to study corrosion behaviour of materials in a liquid metal (Lithium) environment
- Equipped with a dip furnace that can go up to 750°C
- Also includes a settlement tank (rated at 230°C) for liquid metal purification (by settlement)
- Rig currently being installed and commissioned in MRF, to start operating **June 2024**.



Dip furnace with automated controls – can run static corrosion experiments lasting 100s to 1000s of hours

How You Can Participate

- Partner with MRF to deliver testing capability
- Supply of scientific equipment and services
- Support your customers to access and use MRF for their testing needs

For more information

Contact: Barry Ward (barry.ward@ukaea.uk), Head of MRF

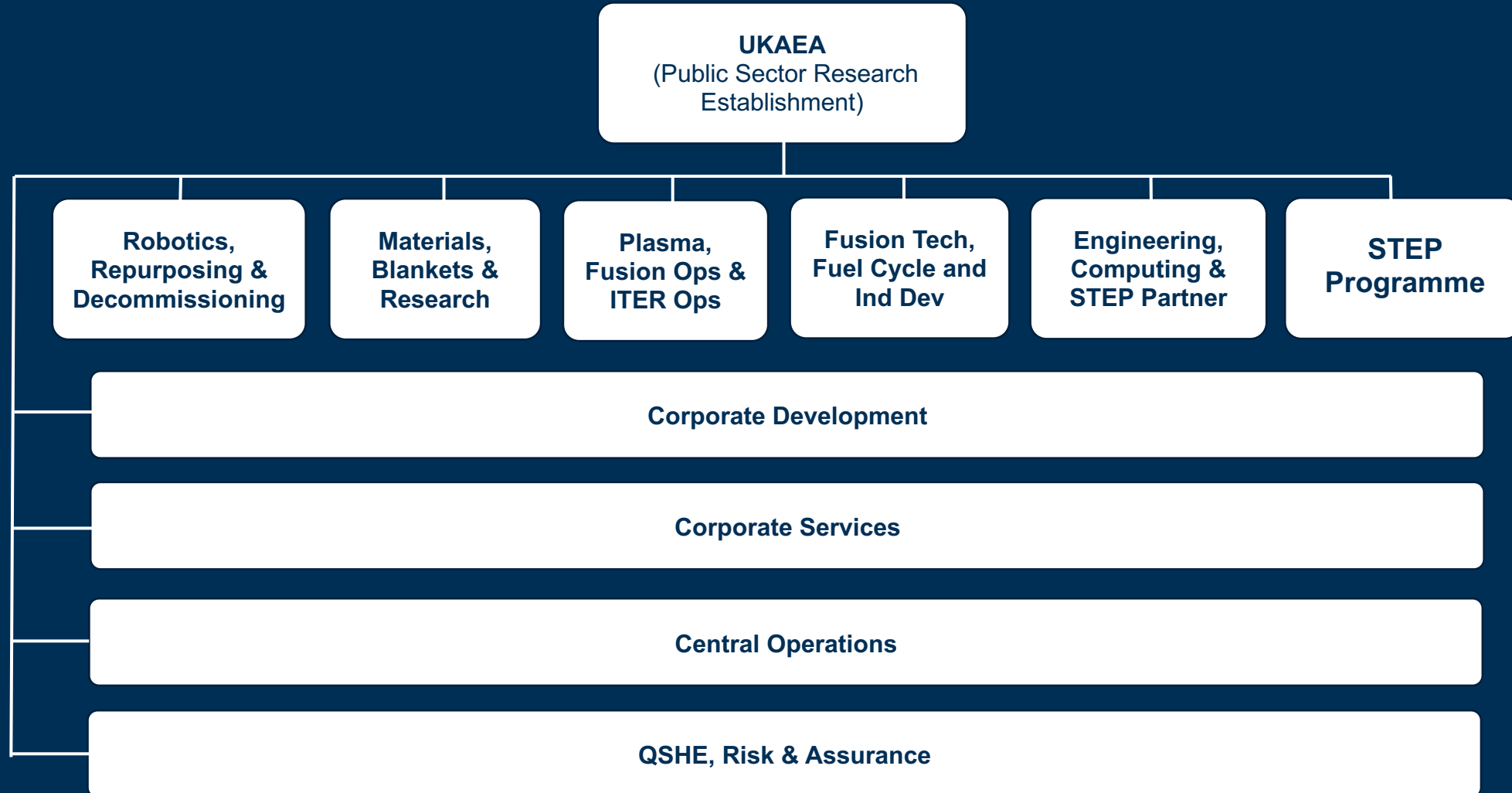
Website: <https://mrf.ukaea.uk/>

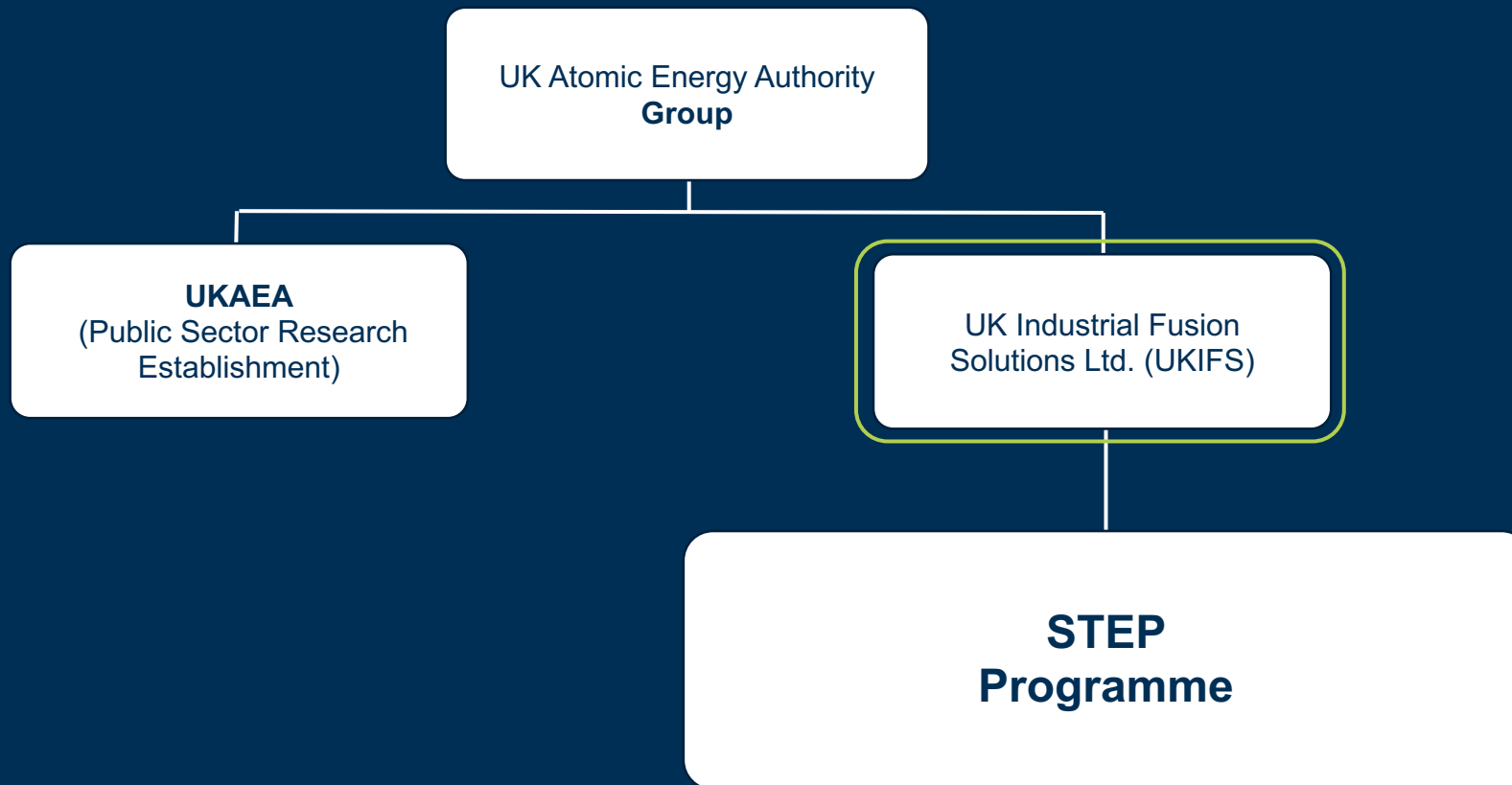
COFFEE BREAK

We are back at 11:30am

Update on UKIFS and STEP

Sho Dutta, STEP Director of Supply Chain and
Commercial





Public-Private Partnership

Shareholder & Sponsor relationships

Secretary of State
DESNZ

DESNZ
Sponsor Department

UKAEA Group
Shareholder & Shared Services

UKIFS
(UK Industrial Fusion
Solutions Ltd.)

Integrated Delivery Team (IDT)

**Whole Plant Fusion
Partner (UKAEA)**

**Whole Plant
Engineering Partner**

**Whole Plant
Construction Partner**

**Supply
chain**
(Strategic
Suppliers)

Supply chain
(non-Strategic Suppliers)

STEP Strategic Collaboration Agreement (UKIFS & WPPs)

UKIFS (UK Industrial Fusion Solutions Ltd.)

New Co. limited by shares as subsidiary of UKAEA
Special Purpose Vehicle for delivery of STEP objectives

Client Support Contracts

Whole Plant Fusion Partner (UKAEA)
Provide Fusion capability into the IDT

Whole Plant Engineering Partner
Provide Engineering capability into the IDT
Manage downstream construction supply chain

Whole Plant Construction Partner
Provide Construction capability into the IDT
Manage downstream construction supply chain

Integrated Delivery Team (IDT)

Supply chain (Strategic Suppliers)
System design & delivery partners (c.20)
Construction & installation partners

Supply chain (non-Strategic Suppliers)

UK Industrial Fusion Solutions Ltd.

Corporate Layer

UKIFS acting as Client. Strategy, Contract approvals, Corporate governance, Ensuring Value for Money.
UKIFS core staff only

Programme Layer

Programme planning and controls. Whole Plant Design management.
UKIFS staff and secondees from Whole Plant Partners (Fusion Partner, Engineering Partner, Construction Partner)

Project Layer

**IPTs
Integrated
Project
Team(s)**

**Tokamak
Machine**

IPT

**Power &
Cooling**

IPT

**Fuel &
Waste**

IPT

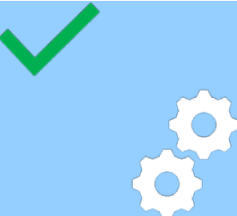




**Tokamak
Complex**

IPT

**West
Burton Site**

IPTs issue Work Packages – discrete tasks contracted to WPP (and onward Supply Chain). These will cover: Technology development, prototyping, testing, plant and system design, manufacturing, construction, assembly, commissioning

Operating Model Transition Targets

	Spring 2024	Spring 2024	Autumn 2024	Autumn 2025	2026
Transition gates /targets:	 <p>Start operating UKIFS</p>	 <p>Engage the market</p>	 <p>UKIFS runs and owns the STEP programme</p>	 <p>Select the partners</p>	 <p>Working together with partners</p>
Description:	<p>UKIFS can operate as a subsidiary of UKAEA Group in relation to company governance and control.</p>	<p>Launch of the Whole Plant Partner Procurement</p>	<p>UKIFS is ready to assume programme delivery responsibility of STEP.</p>	<p>UKIFS is ready to take management of all Whole Plant Partners (incl. Construction Partner and Engineering Partner)</p>	<p>The Integrated Project Teams (under IDT Management) are ready to take management of work packages.</p>



Contact

Procurement@step.ukaea.uk



UKAEA

JET Decommissioning and Repurposing Update

Zac Scott, Director of JDR

How things currently stand

Characterisation planning



Remote Handling upgrades



Detritiation research



Where we're heading

Potential new facilities




Building repurposing



How we're getting there

- 
- Transitioning from JET ops into shutdown and decommissioning
 - Research and Development

- 
- Understanding scope and priorities
 - Budgeting and framework
 - Developing OBC2 for FY2025/6 to FY2028/9

- 
- Expanding on framework
 - Procurement opportunities
 - Partnership opportunities



Contact

Admin@jdr.ukaea.uk



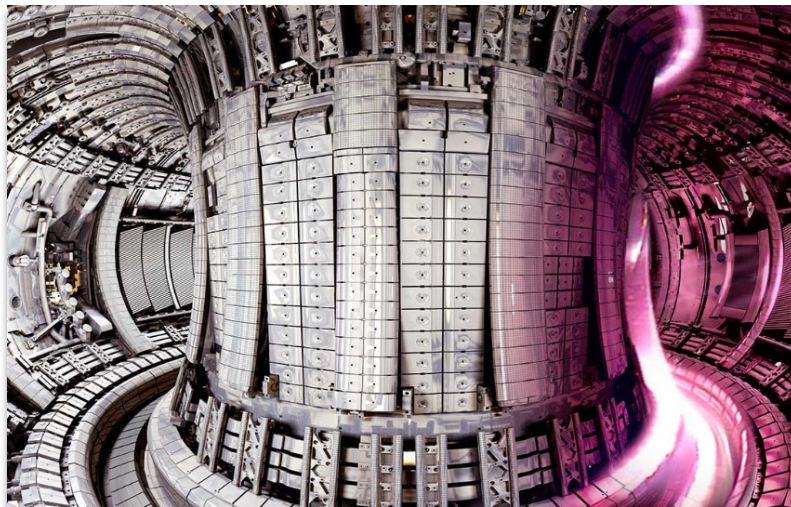
Procurement at UKAEA

Paula Barham, Director of Procurement & Supply Chain

UKAEA Procurement function

UKAEA Procurement Spend

2023/2024	TBC
2022/2023	£169M
2021/2022	£165M
2020/2021	£105.4M
2019/2020	£82.7M



Visibility of Opportunities

- All UKAEA tenders are published through [EU Supply](#) to Contracts Finder or Find a Tender.
- Suppliers can set up alerts based off CPV (*Common Procurement Vocabulary*) codes so they will be notified when we publish a tender on those CPV codes.
- We are governed by public sector procurement policies. E.g., Public Contracts Relations (2015)

Key obligations:

- Be open and transparent
- Encourage open competition
- Provide a level playing field to ensure fair competition and equal treatment of all suppliers

Procurement Pipeline

Package of improvements:

- Tender opportunities advertised in financial quarters.
- The published pipeline to be split into four tabs making it easier for suppliers to distinguish between different types of opportunities and notices. This will go live later in fiscal Q2. The new tabs will be as follows:
 - **Aspirational**
 - **PINs**
 - **Tenders**
 - **FIP**



[FIND IT ON OUR
PROCUREMENT GOV.
WEBPAGE](#)

Procurement Pipeline (cont.)

- Formation of focus groups specific to each programme to ensure accurate tender descriptions and realistic tender release dates.
- Tracking progress of tenders released on time through our Corporate Portfolio Board.
- Opportunity for early engagement to help UKAEA shape strategies.



New Procurement Act 2023

The new Procurement Act 2023 comes into force on **28th October 2024**. This is the first major update for public sector authorities setting out how all procurement and contract management over a certain level is to be delivered.

The new act has been put in place following wide consultation with suppliers over the last few years. The introduction of this **new** legislation provides the public sector with an opportunity to embrace a significant transformational approach to **procurement**.

Knowledge drops for Suppliers on Procurement Act 2023

- <https://youtu.be/7AqPVAKT-bg>
- https://youtu.be/nJ8SnElv4_0
- <https://youtu.be/97xo5P8MK8Q>

Knowledge drops for SMEs on Procurement Act 2023

- <https://youtu.be/uuddEMGJQ74>
- <https://youtu.be/EOF7fCofwyE>
- <https://youtu.be/7JwStlp-H64>



GOV.UK

[Home](#) > [Government](#) > [Government reform](#)

Collection

Transforming Public Procurement

How public procurement will change to improve the way supplies, services and works are procured for the public sector.

Public Procurement Reform Bill

- Encourages Contracting Authorities to engage early to inform Procurement Strategies
- Implementation of a new central digital platform
- Change from MEAT criteria to MAT
- Competitive flexible procedure, grounds for Direct Award
- Introduction of new Open Frameworks and Dynamic Markets
- Extended measures for ensuring prompt payment by suppliers through their supply chains
- More detailed requirements for managing contracts
- New grounds under which Contracts can be amended

Procurement Engagement Programme



Our market engagement activities are held at four main levels:

- 1. Market engagement webinars** (in 2023: we hosted 20 Sessions / 543 total attendees)
- 2. Programme-specific events and Supplier days**
- 3. UKAEA suppliers' event series:**
 - Executive Overview – Spring (**TODAY**)
 - Procurement Overview – Autumn
- 4. Industry Partners Events:** we've also been supporting events for strategic partner organizations.

Why we want to engage?

- Market engagement is a **key element of our supply chain activity and the benefits of Procurement engagement to yourselves are evident**
- Engaging with you enables us to **promote upcoming opportunities, providing context and details for the requirements. It also provides a way to discuss challenges and risks** of upcoming opportunities
- We are striving to continue growing a diverse supply chain, made up of various locations, sectors and capabilities
- **Therefore, you are imperative in our mission to deliver sustainable fusion energy for future generations**



OAS New Extension



Oxfordshire Advanced Skills (OAS) has opened a new **£13m state-of-the-art extension** at the UK Atomic Energy Authority's (UKAEA) Culham Campus, **to provide high-quality training for apprentices in a range of industry sectors.**



OAS is a **partnership between UKAEA and the Science & Technology Facilities Council (STFC)**. Both organisations have trained apprentices across science and engineering for over seven decades.

To find out more about OAS and apprenticeships visit: oas.ukaea.uk.

UKAEA's Commitment

Social Value

- Social Value Charter
- Internal Working Group
- Internal tools and templates to embed social value into procurements
- Mandatory training for all commercial staff
- Utilising the Social Value Model, keeping criteria relevant and proportionate to the contract

Sustainability

- UKAEA Sustainability Strategy – Goal 3
- Annual scope 3 emission analysis
- De-carbonisation and goal to reach Net Zero by 2050

Modern Slavery

- Mandatory training for all UKAEA staff
- Assessing risk and adding relevant mitigations



Find out more

Social Value Charter



Procurement at UKAEA

UKAEA is committed to promote social value through its procurement process. By embedding social value within our procurements, we will seek to generate additional benefits beyond its primary purpose.

To support this commitment, UKAEA's **Social Value Charter** sets out the guiding principles and commitments that we invite our suppliers to adopt.

What is social value for us?

Social value is the assessment of social, environmental and economic factors that a supplier could bring, if awarded the contract. The idea of best 'value' for money now incorporates the level of social value a supplier can provide. This is defined through the strategic themes outlined in the social value model and related policy outcomes, which reflect agreed cross-government priorities.

UKAEA will be looking to align its social value priorities to the UK Government's Social Value Model with a focus on the following:

- **Tackling economic inequality** to meet the policy outcome of creating new jobs within the supply chain and developing new skills. Another focus area will be increasing supply chain resilience and capacity as we scale up fusion technologies.
- **Fighting climate change** to ensure that our supply chain supports environmental protection and improvement.
- **Providing equal opportunities** to allow UKAEA to reduce workforce inequality within the supply chain.

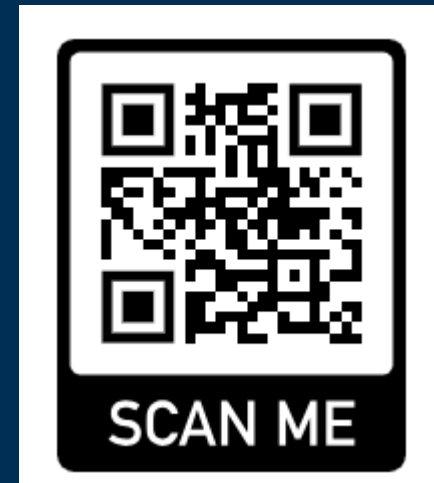
Key Supplier resources:

- [Procurement webpage](#)
- [Social Value Dashboard](#)
- [Social Value Charter](#)
- [Supply Chain Charter - 2nd Issue](#)
- [Procurement Pipeline](#)
- [Modern Slavery Statement](#)
- [Industry Directory](#)
- [Supply Chain Newsletter](#)
- [Supplier Mailing List](#)
- [LinkedIn Suppliers' Group](#)
- [Transforming Public Procurement](#)
- [EU Supply](#)
- [Contracts Finder](#)
- [Find a Tender Service](#)
- [PCR 2015](#)

For more information

Contact:
Procurement@ukaea.uk
SupplyChain@ukaea.uk

To keep up to date with upcoming supplier events, activities and procurement opportunities, scan the QR Code



The Didcot Powerhouse Fund

Elizabeth Paris DL, Chair

The Didcot
Powerhouse
Fund

Fuelling
Better
Futures

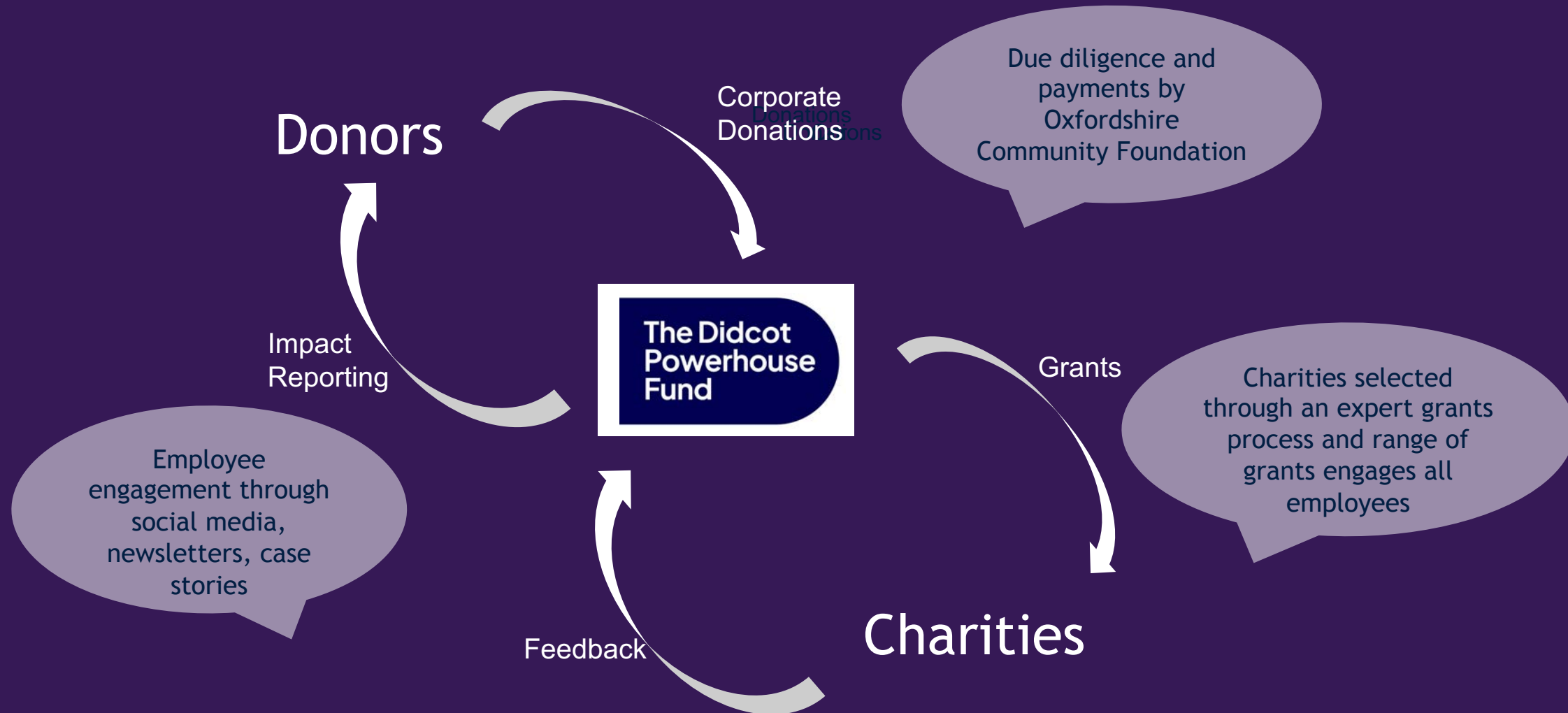
didcotpowerhousefund.co.uk

 [didcotpowerhousefund](https://www.facebook.com/didcotpowerhousefund)

The Didcot Powerhouse Fund was created by corporates to address four challenges they faced in donating to charity and community CSR



How the Didcot Powerhouse Fund addresses these challenges



Powerhouse was launched by Milton Park, Harwell and Culham in Nov 2021



funds raised



56 grants to charities



direct beneficiaries

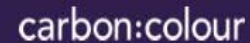
Focus is local: >90% grant beneficiaries live in the Powerhouse area

Powerhouse
Area



The Powerhouse area includes Milton Park, Harwell Campus and Culham Campus

Examples of corporate donors to Powerhouse



Kingerlee Holdings Ltd Feltham Construction A&F Haulage Greenfields Countryside

Simon Hegele Logistics S. Gigg Haulage Derek West Transport Forterra

Matt Wright,
CEO, Hachette UK



Powerhouse grants support a wide range of local issues
- ensuring that all employees find something that resonates

EDUCATION

DISABILITY

EMPLOYMENT

COMMUNITY

YOUTH MENTAL HEALTH

BABIES & TODDLERS

SPORTS & SKILLS

REFUGEES

SUICIDE PREVENTION

YOUNG CARERS

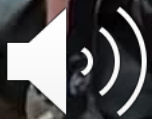
PERIOD POVERTY

Preventing male suicide:

The Cornermen have so far provided 443 hours of support to 48 men from Didcot



“Every man knows someone who’s committed suicide” - Rich, a client of The Cornermen



52 struggling year 6 pupils from 8
Didcot primary schools



supported to achieve a seamless transition
to secondary school by Didcot TRAIN

Displaced by conflict:
therapeutic parenting
programme provided to
local Afghan refugee
families by Clear Sky
Children's Charity

Period poverty alleviated
with 748 period boxes
delivered so far by All
Yours Period Box

Counselling services
provided by Riverside
Counselling

and support into
employment by The Buck
Project

An additional 150
Parent-Infant
therapy sessions
delivered by OXPIP

The Didcot Community Partnership has provided free training for 134 people in both paediatric and mental health first aid.





Support for Yellow Submarine's Didcot Youth Group for young people with learning challenges

Monthly sessions for the visually impaired in Didcot to socialise and improve their well-being from My Vision



For the last two years
Powerhouse has funded the
First Babies Group run every
Tuesday by Home-Start
Southern



Mindfulness Movement sessions provided for young carers at 4 Didcot primary schools by Be Free Young Carers



providing young carers with tools to look after their own well-being and cope with their caring challenges.

Powerhouse also supports donors recruiting for entry level roles



Powerhouse Pathways



Joe Black: Pre-apprentice at Nando's Didcot in the Pathways pilot



Please consider supporting
Powerhouse by donating in 2024



Look out for The Big Didcot Powerhouse Pub Quiz May 29th

via BACS

via Enthuse

The Didcot Powerhouse Fund is

- held by Didcot First; hosted by Oxfordshire Community Foundation
- and run by local volunteers

chair@didcotpowerhousefund.co.uk

www.didcotpowerhousefund.co.uk

 [didcotpowerhousefund](https://www.facebook.com/didcotpowerhousefund)  [in the-didcot-powerhouse-fund](https://www.linkedin.com/company/the-didcot-powerhouse-fund)

Q&A

IN-PERSON AUDIENCE

Thank you for listening!

We will now have our lunch, exhibition booths and network!

Please follow the signs:

- Lunch will take place in the OAS canteen – available until 1:30pm
- Exhibition Booths, Supplier Collaboration Space, OAS Demonstrations area – 1st floor

Join us for engaging conversations: explore the exhibition booths and their locations to make your day valuable and maximise networking possibilities!

Please give us your feedback!



Consider how we can improve, for example:

- Communication to supply chain
- Events
- Procurement pipeline
- Visibility of work
- Supporting SMEs