

## Fusion Industry Programme

The Fusion Industry Programme (FIP) is stimulating growth of the UK fusion ecosystem and preparing it for future global fusion power plant market.

The objectives of Fusion Industry Programme (FIP) are to:

- Increase innovation in industry by tackling the key technical challenges facing fusion energy's development
- Encourage greater use of UKAEA's capabilities by the fusion supply chain and fusion-adjacent industries in support of industrial economic growth
- Positively influence career choices of the next generation and expose businesses to bright new minds and short-term project opportunities in fusion companies
- Create a portfolio of new, fast-growing, and commercially successful businesses based on technology innovation arising from fusion programmes.

FIP will achieve these objectives by delivering three schemes:



### CHALLENGE SCHEME



### VOUCHER SCHEME



### EDUCATION SCHEME

The UK Atomic Energy Authority's mission is to lead the delivery of sustainable fusion energy and maximise scientific and economic benefit



UK Atomic  
Energy  
Authority

### Find out more

[ccfe.ukaea.uk/programmes/fusion-industry-programme](https://ccfe.ukaea.uk/programmes/fusion-industry-programme)

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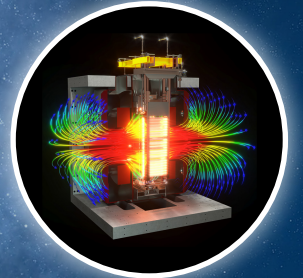
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# Fusion Industry Programme Voucher Scheme





## VOUCHER SCHEME

The voucher scheme is a simple way for UK businesses to gain access to UKAEA's technical and research capabilities.

The voucher scheme will be available to UK companies and includes:

- Specialist science and engineering advice, support, and facilities from UKAEA, free of charge
- Analysis, results, and reports completed within the agreed time in the application
- A quick and simple application process

In 2021/22, the Voucher Scheme underwent the pilot phase which involved a small number of vouchers awarded for projects under the Materials Research Facility.

In 2022/23, the Voucher Scheme will be expanded in phase 1 to include projects for RACE (robotics), H3AT (tritium technology) and Fusion Technology along with Material Research Facility.

### **Fusion Technology (FT)**

Our Fusion Technology team is taking the UK's fusion expertise into the age of powerplant delivery. We enable industrial partners to test prototype components in the conditions found inside fusion machines – getting a head start in the commercialisation of fusion energy.

### **Material Research Facility (MRF)**

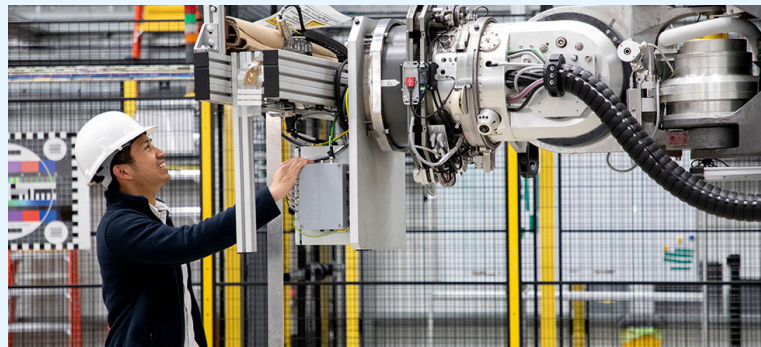
MRF enables industrial and academic researchers to analyse the effects of irradiation on materials. We offer affordable, convenient access for users from fission, fusion and other research programmes – bridging the gap between university and nuclear licensed site laboratories.

### **Hydrogen-3 Advanced Technology (H3AT)**

Our tritium expertise and architecture knowledge of tritium fuel cycle process loop has influenced major international fusion projects. We work with partners across the tritium community to grow their capability and drive forward tritium research and technology development.

### **Remote Applications in Challenging Environments (RACE)**

RACE is the world's leading fusion robotics laboratory. We design, build and operate robotics that have real-world impact. Robotics plays an essential role in making fusion energy a reality as future fusion powerplants will have to be remotely maintained.



### **How to apply**

To be eligible to apply for the FIP Voucher Scheme, applicants must be:

- A UK company registered at Companies House; and
- Within the de minimis limit for the purposes of the UK subsidy control regime.

Prior to submitting an application, the applicant must discuss the scope of work with an UKAEA department contact and the expected outcome (business case) should be transferred into a work plan.

### **How applications will be assessed**

The voucher scheme uses a transparent process to engage with the possible end users and considerations include:

- The value of the proposed work
- The requirements and any delivery expectations

When reviewing applications, we will also consider the suitability of the technical challenge to the capability being offered and how many businesses from that industry or sector are already using the capability. This is to ensure measurable benefit to the applicant and viable experiments and assistance, along with diversity of new users and technologies being supported by UKAEA facilities.

If the project meets the criteria and funds are available, the voucher shall be awarded.



To find out more contact  
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