



Fusion Industry Programme

Dr Lyndsey Mooring – FIP Delivery Manager
7th Supplier's Event

Fit With UK Fusion Strategy

Strong
international
partnerships

Ambitious
national
programme

Thriving
private
sector

This new **Fusion Industry Programme** focuses on the 'third pillar'

The programme will invest up to **£23m** over the period **2022/23 – 2024/25** with a vision to **‘accelerate the growth of the UK’s fusion industry’**.

The Fusion Industry Programme

The **Fusion Industry Programme** will invest up to £23m over the period 2022/23 – 2024/25 with a vision to ‘**accelerate the growth of the UK’s fusion industry**’.

The programme will achieve this objective by delivering four schemes

- **Challenge** scheme (£12m) –

Engaging and supporting UK businesses in important technical challenges of fusion, developing valuable intellectual assets and capabilities.

- **Equity** scheme (£8m) –

Investing in exciting business opportunities arising from fusion technology, developing a portfolio of new high-growth businesses

- **Voucher** scheme (£0.9m) –

Making it easy for UK businesses to make use of specialist fusion technical facilities, giving them access to the latest skills and techniques

- **Education** scheme (£0.34m) –

Increasing the supply of highly-skilled students into the fusion sector

Challenge scheme (£12m)

FIP Objective: Engaging and supporting UK businesses in important technical challenges of fusion, developing valuable intellectual assets and capabilities.

- Scheme to engage the private sector around technical challenges of fusion, in a concept-agnostic manner, thereby supporting the delivery of sustainable fusion energy whilst stimulating innovation in the fusion industry.
- Target the entire spectrum of the prospective fusion industry – from emerging SMEs engaged in fusion technology, through tier 2 and mid-level players trying to break into fusion technology, to the established tier 1 fusion suppliers and those in adjacent fields
- Range of challenges where industry may be uniquely placed to solve
- The challenge scheme is thus pitched to stimulate the current supply chain, attract new entrants from aligned sectors and support businesses of all sizes.

SBRI: the small business research initiative

It is a Pre Commercial Procurement, as referenced in The Outsourcing Playbook as an appropriate tool to stimulate innovation.

So far SBRI has been used by over 100 public sector bodies, running over 500 competitions issuing >4,400 contracts worth > £0.8 Billion.

Helping government: SBRI helps government organisations solve tough challenges by connecting them with innovative businesses.

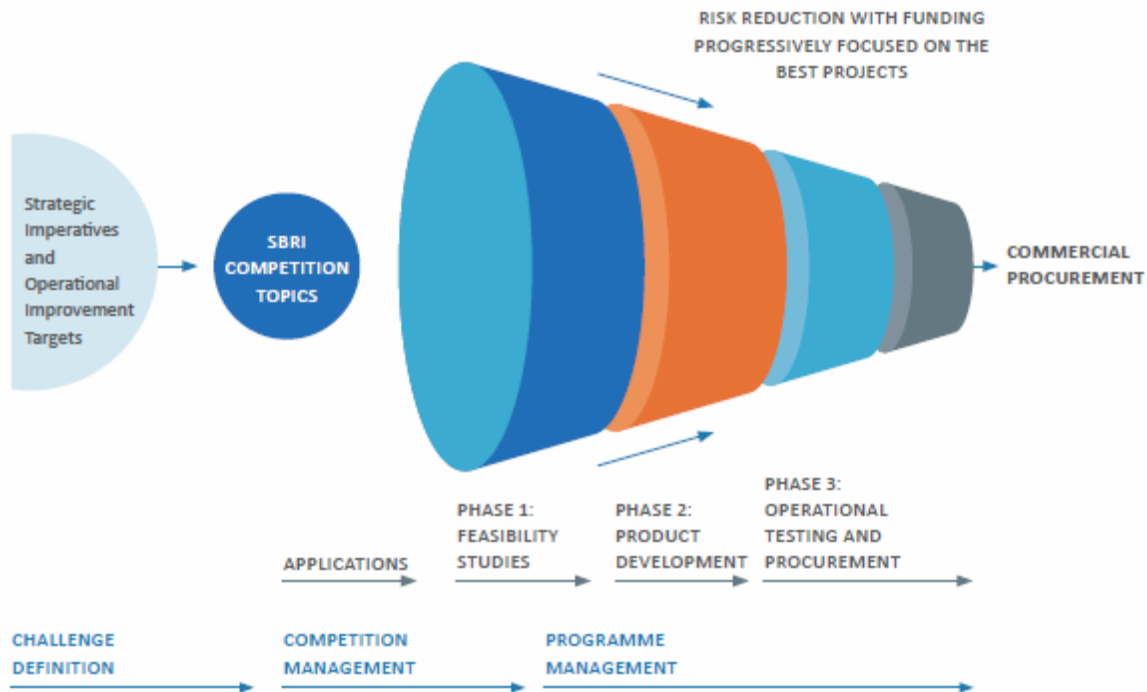
Helping businesses: SBRI offers innovators the chance to win a government contract to help demonstrate and develop their new technologies.

Development contracts: 100% funded R&D services procurement contracts
UK implementation of EU Pre-Commercial Procurement.

Contract with a single organisation: Who may choose to sub contract parts of the work

IP ownership rest with supplier organisation: Certain usage rights with the public sector – suppliers are encouraged to exploit the IP

SBRI PROGRAMME MANAGEMENT*



Phase 1 - Proposals focus on proving the scientific, technical and commercial feasibility of the project. The results of phase 1 determine whether the project should continue to phase 2 – not all projects will progress to the second phase.

FIP projects £50 - £200k, 4-6 months

Phase 2 - Prototyping is undertaken in phase 2. Projects that successfully complete phase 2 are then ready to be commercialised and offered to government departments and other public sector organisations through the normal procurement process.

FIP projects <£1m, <18 months

Challenges launching this year!

1. Driving up fusion power plant performance with innovative heating and cooling systems
2. Improving fusion power plant availability with novel fusion materials, technology, and manufacture

Come and talk to Vincent Tsang, FIP Procurement Manager, at the FIP booth for more information

Voucher Scheme (£0.9m)

FIP Objective: Making it easy for UK businesses to make use of specialist fusion technical facilities, giving them access to the latest skills and techniques

- UKAEA has developed facilities which offer sophisticated and highly specialized technical resources
- UKAEA experience and discussions held with other National Laboratories, demonstrated that world-leading, bespoke facilities are not well understood outside their sector and new users require expert support to understand how such facilities can be used for their specific research
- Up to £50k of specialist support to understand facility options and design viable experiments, followed by 'free access' to the specific UKAEA facilities to run initial experiments.

Come and talk to the team at the FIP booth to discuss how access to UKAEA's facilities can support your innovations

Summer Placement Scheme (£0.34m)

FIP Objective: Increasing the supply of highly-skilled students into the fusion sector

The Summer Placement Scheme will enable students to undertake paid placements within host organisations related to the fusion industry.

Each placement will last around 8 weeks and take place during the summer.

For a full 8-week placement, UKAEA will award £3,000 to be paid to the student

Benefits for the Host Organisation

- Ability to deliver projects that would not be possible without the help of the students.
- Student's stipend is covered by the scheme.
- Bringing new talent into the organisation.
- Opportunity for networking with other participating companies within the industry.
- Students may prove a good fit for permanent positions within the company in the future.

Come and talk to Megan Cooke, FIP Commercial Coordinator, at the FIP booth to become a Host company

Equity Scheme (£8m)

- FIP Objective: Investing in exciting business opportunities arising from fusion technology, developing a portfolio of new high-growth businesses
- A dedicated fund for equity investment in fusion technology companies will widen the pipeline of start-ups and spinouts in the sector.
- This scheme will provide a clear route from ideation, a strong legacy of the fusion programme, to commercialisation and the resultant generation of economic value for the UK
- Individual investments from the Fusion technology fund will range from £50k to £750k, operating mainly at a seed or even pre-seed round stage, allowing private investors to invest in further rounds with confidence.

**For more information visit the team at
our booth**