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Tender

Development of vertically straight fusion blanket segment demonstrator including technology development identification

UK Industrial Fusion Solutions Ltd

UK4: Tender notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-061511

Procurement identifier (OCID): ocds-h6vhtk-05a649

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Scope

Reference

PP-UKIFS-360

Description

As part of the on-going STEP programme, continued development, learning and understanding of materials and systems is required. As such, the materials team have set out this requirement to better understand the proposed plan for the breeder blankets within the tokamak. This proof of concept, physical scaled demonstrator and broader technology understanding will benefit the programme and allow for further progress to be made.

The scaled physical demonstrator that this project will deliver is to demonstrate the

manufacturability of ferritic-martensitic steels in the form required to suit the Breeder Blanket design proposed herein.

The demonstration will prove the engineering processes and techniques necessary for the scaled demonstrator and will identify feasibility of increased scale-up for manufacture of the large-scale fabrication of breeder blanket segments using Grade 91 steel.

For more information about this opportunity, please visit the Delta eSourcing portal at:

<https://ukifs.delta-esourcing.com/tenders/UK-UK-Abingdon:-Engineering-works-and-construction-works./6HN4863HBY>

To respond to this opportunity, please click here:

<https://ukifs.delta-esourcing.com/respond/6HN4863HBY>

Total value (estimated)

- £200,000 excluding VAT
- £220,000 including VAT

Above the relevant threshold

Contract dates (estimated)

- 31 October 2025 to 30 April 2026
- 6 months, 1 day

Main procurement category

Services

CPV classifications

- 45220000 - Engineering works and construction works
- 71300000 - Engineering services
- 73000000 - Research and development services and related consultancy services

Contract locations

- UK - United Kingdom
- UKJ14 - Oxfordshire

Participation

Particular suitability

- Small and medium-sized enterprises (SME)
- Voluntary, community and social enterprises (VCSE)

Submission

Enquiry deadline

20 October 2025, 4:00pm

Tender submission deadline

27 October 2025, 12:00pm

Submission address and any special instructions

Please access via <https://ukifs.delta-esourcing.com/> and use the access code:
6HN4863HBY

Tenders may be submitted electronically

Yes

Languages that may be used for submission

English

Award decision date (estimated)

30 October 2025

Award criteria

| Name | Description | Type | Weighting |
|---|--------------------|---------|-----------|
| Technical methodology and project delivery approach | Pricing submission | Quality | 40% |
| Criterion 1 | Pricing submission | Price | 20% |
| Capability | Pricing submission | Quality | 20% |
| Project Management | Pricing submission | Quality | 10% |
| Social Value | Pricing submission | Quality | 10% |

Other information

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Open procedure

Contracting authority

UK Industrial Fusion Solutions Ltd

- Public Procurement Organisation Number: PCRM-7973-DCBL

Culham Science Centre

Abingdon

OX14 3DB

United Kingdom

Contact name: Operational Procurement

Email: operationalprocurement.step@ukifs.uk

Region: UKJ14 - Oxfordshire

Organisation type: Public undertaking (commercial organisation subject to public authority oversight)