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Award

# **Open Air Diffusion Bonding Technology**

UK INDUSTRIAL FUSION SOLUTIONS LTD

UK5: Transparency notice - Procurement Act 2023 - view information about notice types

Notice identifier: 2025/S 000-050210

Procurement identifier (OCID): ocds-h6vhtk-058b67

Published 20 August 2025, 2:12pm

## Scope

### **Description**

The open-air diffusion bonding technology presents a unique approach to manufacture of large-scale tungsten components. Unlike both traditional and advanced methods, this technique eliminates the need for vacuum conditions or tightly controlled atmospheres, thereby offering a more scalable and cost-effective solution for industrial applications.

7-month project for continuation of technical work that will further the Intellectual Property application related to open air diffusion bonding technology for fusion application.

## **Contract 1. Open Air Diffusion Bonding**

## **Supplier**

• IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE

#### **Contract value**

- £220,000 excluding VAT
- £264,000 including VAT

Above the relevant threshold

## Earliest date the contract will be signed

1 September 2025

### **Contract dates (estimated)**

- 2 September 2025 to 31 March 2026
- 6 months, 29 days

### Main procurement category

Services

### **CPV** classifications

• 73100000 - Research and experimental development services

#### **Contract locations**

• UKC - North East (England)

- UKD North West (England)
- UKE Yorkshire and the Humber
- UKF East Midlands (England)
- UKG West Midlands (England)
- UKH East of England
- UKI London
- UKJ South East (England)
- UKK South West (England)

### Other information

## Conflicts assessment prepared/revised

Yes

### **Procedure**

## **Procedure type**

Direct award

## **Direct award justification**

Single supplier - intellectual property or exclusive rights

Imperial College London hold the initial patent (P78409GB) on the technology under consideration and have carried out technology development work on the process for fusion (STEP) application (FY 24-25) under the Manufacturing Framework (project ID: MFFW034).

To work directly with ICL is considered the best-value option due to the pre-existing foundation of technical knowledge and associated background IP owned by ICL.

## **Supplier**

### IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE

Companies House: RC000231

• Public Procurement Organisation Number: PHRL-7217-LGHH

The faculty Building, Imperial College London, Exhibition Road

London

SW7 2AZ

**United Kingdom** 

Email: <u>i.prestt@imperial.ac.uk</u>

Website: <a href="http://www.imperial.ac.uk">http://www.imperial.ac.uk</a>

Region: UKI32 - Westminster

Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Contract 1. Open Air Diffusion Bonding

# **Contracting authority**

### **UK INDUSTRIAL FUSION SOLUTIONS LTD**

• Companies House: 14620804

• Public Procurement Organisation Number: PCRM-7973-DCBL

Culham Science Centre

Abingdon

**OX14 3DB** 

**United Kingdom** 

Email: operationalprocurement.step@ukifs.uk

Region: UKJ14 - Oxfordshire

Organisation type: Public authority - central government