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Award

Lead Lithium Experimentation Loop

UK Atomic Energy Authority

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Notice identifier: 2025/S 000-067574

Procurement identifier (OCID): ocds-h6vhtk-05d1d5 ([view related notices](#))

Published 22 October 2025, 3:46pm

Scope

Reference

JNCA/TM168/25

Description

The LLiMFA is at a preliminary design stage and UKAEA are now looking for potential suppliers to progress the design development and produce a Detailed Design of the test loop for the Fusion Technology Facility alongside CHIMERA. Creation of the LLiMFA will allow the supply of Liquid Lead Lithium to both test apparatus, for the research and development of components and materials for use in future fusion systems. The project deliverable this year is a detailed design of the loop that will incorporate further research into ensuring the outstanding challenges from the preliminary design stage can be solved, as well as developing the status of existing work to the point of manufacture (albeit no manufacturing will take place this year).

Contract 1. Lead Lithium Experimentation Loop

Supplier

- Frasier Nash LLC

Contract value

- £1,200,000 excluding VAT
- £1,440,000 including VAT

Above the relevant threshold

Earliest date the contract will be signed

3 November 2025

Contract dates (estimated)

- 4 November 2025 to 3 November 2026
- 1 year

Main procurement category

Services

CPV classifications

- 51230000 - Installation services of testing equipment
- 98130000 - Miscellaneous membership organisations services

Contract locations

- UK - United Kingdom

Other information

Description of risks to contract performance

None know

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Direct award

Direct award justification

Single supplier - technical reasons

- Continuity of Design: Frazer-Nash led the preliminary design phase, producing ~28 technical documents and passing UKAEA's design gate review. Their continued involvement avoids regression to concept phase and ensures design momentum. - Fusion Expertise: They demonstrated strong fusion sector knowledge, technical capability, and alignment with UKAEA's design philosophy. - Risk Mitigation: Switching suppliers would risk delays, increased costs, and design misalignment, as new consultants may not adopt or understand the existing design. - Strategic Planning: Frazer-Nash provided a clear roadmap from detailed design through to future manufacture and commissioning, even though this phase focuses solely on design.

Supplier

Frasier Nash LLC

- Public Procurement Organisation Number: PVXN-4166-QPYR

Hill Park Court

Leatherhead

KT22 7NL

United Kingdom

Email: tenders@fnc.co.uk

Region: UKJ26 - East Surrey

Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Contract 1. Lead Lithium Experimentation Loop

Contracting authority

UK Atomic Energy Authority

- Public Procurement Organisation Number: PLJV-1169-JTDD

Culham Science Centre

Oxfordshire

OX14 3DB

United Kingdom

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Website: <https://www.gov.uk/government/organisations/uk-atomic-energy-authority>

Region: UKJ14 - Oxfordshire

Organisation type: Public authority - central government