This is a published notice on the Find a Tender service: https://www.find-tender.service.gov.uk/Notice/072433-2025

Planning

Fourier Transform Infrared (FTIR) Spectroscopy System

UNITED KINGDOM NATIONAL NUCLEAR LABORATORY LIMITED

UK2: Preliminary market engagement notice - Procurement Act 2023 - <u>view information</u> <u>about notice types</u>

Notice identifier: 2025/S 000-072433

Procurement identifier (OCID): ocds-h6vhtk-05ddc2

Published 10 November 2025, 1:54pm

Scope

Reference

NNLC714

Description

The design and manufacture of a Fourier Transform Infrared (FTIR) Spectroscopy System.

High level functional requirements as per below:

- 1. The FTIR equipment shall be capable of measuring the corrosion thickness on samples up to 10 μm .
- 2. The FTIR rig shall be operated remotely.
- 3. The FTIR equipment shall be capable of being operated in conjunction with an XY table, allowing the complete area of the sample to pass over the FTIR sampling area.

- 4. The probe head of the FTIR equipment must protrude from the end of the spiral wall plug to which it is fitted in order to allow the sample to be presented up to the probe with a clearance of 0.4mm +/- 0.1mm.
- 5. The probe head of the FTIR equipment shall be protected from damage that samples being pushed against it could cause.
- 6. The FTIR equipment shall include a desktop computer and software to support the analysis and display the results from the FTIR equipment.
- 7. The FTIR equipment shall be designed to withstand the in-cell environment.
- Radiation In-cave: 30Gy/hour at 30cmo Out-of-cave: 10µGy/hour at 30cm
- Temperature In-cave: 5°C to 45°Co Out-of-cave: 5°C to 35°C• All equipment shall operate in relative humidity of5% to 95% non-condensing.
- All equipment shall operate at atmospheric pressure.

Contract dates (estimated)

- 26 January 2026 to 5 October 2026
- 8 months, 11 days

Main procurement category

Goods

CPV classifications

42000000 - Industrial machinery

Contract locations

• UK - United Kingdom

Engagement

Engagement deadline

28 November 2025

Engagement process description

Please contact: <u>Izak.Cartain-Farish@uknnl.com</u> referencing NNLC714 for further information.

Contracting authority

UNITED KINGDOM NATIONAL NUCLEAR LABORATORY LIMITED

• Companies House: 03857752

• Public Procurement Organisation Number: PVXT-8784-YGNV

Chadwick House Warrington Road

Warrington

WA3 6AE

United Kingdom

Email: procurement@uknnl.com

Website: http://www.uknnl.com

Region: UKD61 - Warrington

Organisation type: Public authority - sub-central government