297348-2026 - Result

Ireland – Laboratory, optical and precision equipments (excl. glasses) – Supply, Delivery and Installation of a Transmission Electron Microscopy (TEM) Suite consisting of 2 TEM tools and 1 Focused Ion Beam–Scanning Electron Microscope (FIB.SEM) for Tyndall Instit, UCC,
OJ S 84/2026 30/04/2026
Contract or concession award notice – standard regime
Supplies

1. Buyer

1.1. Buyer

Official name: University College Cork
Email: procurement@ucc.ie
Legal type of the buyer: Body governed by public law
Activity of the contracting authority: Education

2. Procedure

2.1. Procedure

Title: Supply, Delivery and Installation of a Transmission Electron Microscopy (TEM) Suite consisting of 2 TEM tools and 1 Focused Ion Beam–Scanning Electron Microscope (FIB.SEM) for Tyndall Instit, UCC,
Description: Tenders are sought for the Supply, Delivery and Installation of a Transmission Electron Microscopy (TEM) Suite, to Tyndall National Institute, University College Cork (UCC) comprising three complementary instruments: 1. One (1) Aberration-corrected and monochromated TEM 2. One (1) 200 kV high-throughput TEM 3. One (1) Focused Ion Beam–Scanning Electron Microscope (FIB-SEM) This procurement will establish a nationally significant microscopy capability for Ireland, strengthening Tyndall's leadership in semiconductor, photonic, and quantum materials research and supporting long-term collaboration with academic and industrial stakeholders. The TEM Suite will deliver sustained scientific, technological, and economic impact through enhanced analytical capability, research excellence, and innovation at the nanoscale. This investment will expand and modernise Tyndall's capability in advanced materials and device characterisation to meet the requirements of its national and international research programmes, including activities under the EU Chips Act and strategic collaborations with academic and industrial partners. The TEM Suite will form a key component of the new Tyndall laboratory facilities currently under development and will support Tyndall's mission to provide world-leading infrastructure for semiconductor, photonic, and quantum technologies. The Aberration-corrected and monochromated TEM will represent the highest-performance instrument within the suite. It must deliver sub-ångström imaging resolution and high-energy-resolution spectroscopy, providing the capability to study interfaces, defects, and nanostructures at the atomic scale. The system must support advanced analytical and imaging modes, including low-dose operation for beam-sensitive materials, Lorentz and 4D-STEM imaging, and in-situ experimentation (electrical, thermal, and environmental). Automated alignment, optical stability, and full integration with advanced camera, detector, and control software are essential to ensure repeatable and high-quality data generation across multiple users. The 200 kV high-throughput TEM capable of atomic resolution imaging will provide a complementary, multi-user analytical capability to support daily research operations and routine analysis. It

must combine high brightness and excellent spatial resolution with rapid operational stability, user-friendly alignment, and automated workflow functionality. This instrument will be optimised for versatility and efficiency, ensuring broad accessibility for internal and collaborative research, training, and industry engagement activities. The FIB-SEM will enable site-specific sample preparation, 3D structural analysis, and nanoscale milling to support both TEM systems. It must achieve high-resolution imaging and precision ion-beam milling for lamella production and cross-sectional analysis. Integration with the TEM workflows is required to ensure seamless specimen transfer and preparation from wafer-scale structures to atomic-scale analysis. This tender is being issued as a single integrated suite rather than as separate tools to ensure technical, operational, and economic coherence across all instruments. Procuring the TEMs and FIB-SEM from a single manufacturer will enable a shared control software platform, providing a consistent user interface and operational framework across the suite. This is important in Tyndall's multi-user research and training environment, for staff, postgraduate students, and industry partners, as it simplifies training, improves safety, and promotes efficient use of laboratory time. A unified suite will also allow for the interchange of sample holders and accessories, enabling seamless workflow integration from sample preparation to atomic-scale imaging. A single-supplier arrangement provides additional benefits including simplified warranty and maintenance agreements, harmonised service schedules, and a single point of technical contact.
Procedure identifier: 9c1c91f6-c34a-4f6d-8409-2c8bd3af52f6
Previous notice: 67b175b8-1fae-4725-a510-ab5a7ac2eeef-01
Type of procedure: Open
The procedure is accelerated: no

2.1.1. Purpose

Main nature of the contract: Supplies
Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)
Additional classification (cpv): 38510000 Microscopes, 38511000 Electron microscopes, 38511200 Transmission electron microscope, 33124100 Diagnostic devices, 33124110 Diagnostic systems, 38300000 Measuring instruments, 38340000 Instruments for measuring quantities, 38400000 Instruments for checking physical characteristics, 38900000 Miscellaneous evaluation or testing instruments

2.1.2. Place of performance

Country subdivision (NUTS): South-West (IE053)
Country: Ireland

2.1.3. Value

Estimated value excluding VAT: 5 500 000,00 EUR

2.1.4. General information

Legal basis:
Directive 2014/24/EU

5. Lot

5.1. Lot: LOT-0001

Title: Supply, Delivery and Installation of a Transmission Electron Microscopy (TEM) Suite consisting of 2 TEM tools and 1 Focused Ion Beam–Scanning Electron Microscope (FIB.SEM) for Tyndall Instit, UCC,

Description: Tenders are sought for the Supply, Delivery and Installation of a Transmission Electron Microscopy (TEM) Suite, to Tyndall National Institute, University College Cork (UCC) comprising three complementary instruments: 1. One (1) Aberration-corrected and monochromated TEM 2. One (1) 200 kV high-throughput TEM 3. One (1) Focused Ion Beam–Scanning Electron Microscope (FIB-SEM) This procurement will establish a nationally significant microscopy capability for Ireland, strengthening Tyndall's leadership in semiconductor, photonic, and quantum materials research and supporting long-term collaboration with academic and industrial stakeholders. The TEM Suite will deliver sustained scientific, technological, and economic impact through enhanced analytical capability, research excellence, and innovation at the nanoscale. This investment will expand and modernise Tyndall's capability in advanced materials and device characterisation to meet the requirements of its national and international research programmes, including activities under the EU Chips Act and strategic collaborations with academic and industrial partners. The TEM Suite will form a key component of the new Tyndall laboratory facilities currently under development and will support Tyndall's mission to provide world-leading infrastructure for semiconductor, photonic, and quantum technologies. The Aberration-corrected and monochromated TEM will represent the highest-performance instrument within the suite. It must deliver sub-ångström imaging resolution and high-energy-resolution spectroscopy, providing the capability to study interfaces, defects, and nanostructures at the atomic scale. The system must support advanced analytical and imaging modes, including low-dose operation for beam-sensitive materials, Lorentz and 4D-STEM imaging, and in-situ experimentation (electrical, thermal, and environmental). Automated alignment, optical stability, and full integration with advanced camera, detector, and control software are essential to ensure repeatable and high-quality data generation across multiple users. The 200 kV high-throughput TEM capable of atomic resolution imaging will provide a complementary, multi-user analytical capability to support daily research operations and routine analysis. It must combine high brightness and excellent spatial resolution with rapid operational stability, user-friendly alignment, and automated workflow functionality. This instrument will be optimised for versatility and efficiency, ensuring broad accessibility for internal and collaborative research, training, and industry engagement activities. The FIB-SEM will enable site-specific sample preparation, 3D structural analysis, and nanoscale milling to support both TEM systems. It must achieve high-resolution imaging and precision ion-beam milling for lamella production and cross-sectional analysis. Integration with the TEM workflows is required to ensure seamless specimen transfer and preparation from wafer-scale structures to atomic-scale analysis. This tender is being issued as a single integrated suite rather than as separate tools to ensure technical, operational, and economic coherence across all instruments. Procuring the TEMs and FIB-SEM from a single manufacturer will enable a shared control software platform, providing a consistent user interface and operational framework across the suite. This is important in Tyndall's multi-user research and training environment, for staff, postgraduate students, and industry partners, as it simplifies training, improves safety, and promotes efficient use of laboratory time. A unified suite will also allow for the interchange of sample holders and accessories, enabling seamless workflow integration from sample preparation to atomic-scale imaging. A single-supplier arrangement provides additional benefits including simplified warranty and maintenance agreements, harmonised service schedules, and a single point of technical contact.
Internal identifier: 0

5.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)
Additional classification (cpv): 38510000 Microscopes, 38511000 Electron microscopes, 38511200 Transmission electron microscope, 33124100 Diagnostic devices, 33124110 Diagnostic systems, 38300000 Measuring instruments, 38340000 Instruments for measuring quantities, 38400000 Instruments for checking physical characteristics, 38900000 Miscellaneous evaluation or testing instruments

5.1.2. Place of performance
Country subdivision (NUTS): South-West (IE053)
Country: Ireland

5.1.3. Estimated duration
Duration: 12 Years

5.1.5. Value
Estimated value excluding VAT: 5 500 000,00 EUR

5.1.6. General information
Procurement Project fully or partially financed with EU Funds.
The procurement is covered by the Government Procurement Agreement (GPA): yes

5.1.7. Strategic procurement
Aim of strategic procurement: No strategic procurement

5.1.10. Award criteria
Criterion:
Type: Quality
Description: Technical Merit
Category of award weight criterion: Weight (points, exact)
Award criterion number: 300
Criterion:
Type: Quality
Description: Quality and Health & Safety
Category of award weight criterion: Weight (points, exact)
Award criterion number: 50
Criterion:
Type: Quality
Description: Warranty/Spare Parts, After-Sales and Training Support
Category of award weight criterion: Weight (points, exact)
Award criterion number: 50
Criterion:
Type: Quality
Description: Delivery Plan
Category of award weight criterion: Weight (points, exact)
Award criterion number: 50
Criterion:
Type: Quality
Description: Energy & Environmental
Category of award weight criterion: Weight (points, exact)
Award criterion number: 50
Criterion:

Type: Quality
Description: Strategic Engagement
Category of award weight criterion: Weight (points, exact)
Award criterion number: 100
Criterion:
Type: Cost
Description: Total Cost of Ownership
Category of award weight criterion: Weight (points, exact)
Award criterion number: 400

5.1.15. Techniques

Framework agreement:
No framework agreement
Information about the dynamic purchasing system:
No dynamic purchase system

5.1.16. Further information, mediation and review

Review organisation: The High Court of Ireland
Organisation providing offline access to the procurement documents: University College Cork
Organisation providing more information on the review procedures: The High Court of Ireland

6. Results

Value of all contracts awarded in this notice: 5 500 000,00 EUR

6.1. Result lot identifier: LOT-0001

Winner selection status: At least one winner was chosen.

6.1.2. Information about winners

Winner:
Official name: FEI UK Limited
Tender:
Tender identifier: 000148306
Identifier of lot or group of lots: LOT-0001
Value of the tender: 5 500 000,00 EUR
Subcontracting: Not yet known
Contract information:
Identifier of the contract: 439771
Date on which the winner was chosen: 16/02/2026
Date of the conclusion of the contract: 22/04/2026
Information about European Union funds:
Name of EU-financed project or programme: Horizon Europe – the Framework Programme for Research and Innovation (2021/2027)
Identifier of EU funds: 101182279

6.1.4. Statistical information

Received tenders or requests to participate:
Type of received submissions: Tenders from medium tenderers
Number of tenders or requests to participate received: 1

8. Organisations

8.1. ORG-0001

Official name: University College Cork
Registration number: IE0006286E
Postal address: University College Cork, 6 Elderwood, College Road
Town: Cork
Postcode: T12 VH39
Country subdivision (NUTS): South-West (IE053)
Country: Ireland
Email: procurement@ucc.ie
Telephone: +353 21 4903514
Internet address: https://www.ucc.ie
Buyer profile: https://www.ucc.ie
Roles of this organisation:
Buyer
Organisation providing offline access to the procurement documents

8.1. ORG-0002

Official name: FEI UK Limited
Size of the economic operator: Medium
Registration number: 02380120
Postal address: 3rd Floor, 1 Ashley Road
Town: Altrincham
Postcode: WA14 2DT
Country: United Kingdom
Email: francis.morrissey@thermofisher.com
Telephone: 0207949037
Roles of this organisation:
Tenderer
Winner of these lots: LOT-0001

8.1. ORG-0003

Official name: The High Court of Ireland
Registration number: The High Court of Ireland
Department: The High Court of Ireland
Postal address: Four Courts, Inns Quay, Dublin 7
Town: Dublin
Postcode: D07 WDX8
Country subdivision (NUTS): Dublin (IE061)
Country: Ireland
Email: HighCourtCentralOffice@courts.ie
Telephone: +353 1 8886000
Roles of this organisation:
Review organisation
Organisation providing more information on the review procedures

8.1. ORG-0004

Official name: European Dynamics S.A.
Registration number: 002024901000
Department: European Dynamics S.A.
Town: Athens
Postcode: 15125

Country subdivision (NUTS): Βόρειος Τομέας Αθηνών (EL301)
Country: Greece
Email: eproc-esender@eurodyn.com
Telephone: +30 2108094500
Roles of this organisation:
TED eSender

Notice information

Notice identifier/version: d3ca384e-665e-4e09-8d20-f7d3be5e15a3 - 01
Form type: Result
Notice type: Contract or concession award notice – standard regime
Notice subtype: 29
Notice dispatch date: 29/04/2026 12:06:57 (UTC+01:00) Central European Time, Western European Summer Time
Languages in which this notice is officially available: English
Notice publication number: 297348-2026
OJ S issue number: 84/2026
Publication date: 30/04/2026