

# Ireland: Laboratory, optical and precision equipments (excl. glasses) Supply, Delivery, Installation, Commissioning, and Validation of an Integrated Glove Box-Linked Dual Atomic Layer Deposition (ALD) Reactor System with Collocated Ellipsometer System for Tyndall, UCC

Contract or concession notice – standard regime

## 1 Buyer

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### 1.1 Buyer

*Official name:* University College Cork

*Legal type of the buyer:* Body governed by public law

*Activity of the contracting authority:* Education

## 2 Procedure

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### 2.1 Procedure

*Title:* Supply, Delivery, Installation, Commissioning, and Validation of an Integrated Glove Box-Linked Dual Atomic Layer Deposition (ALD) Reactor System with Collocated Ellipsometer System for Tyndall, UCC

*Description:* Tyndall National Institute, University College Cork (UCC) invites tenders for the supply, delivery, installation, Commissioning, Calibration and Validation of an integrated Atomic Layer Deposition (ALD), Glove Box, and Ellipsometer System, comprising four main components: (i) ALD Reactor 1: Designed for the deposition of 2D dichalcogenide materials, featuring process conditions and precursor delivery systems optimised for chalcogen-based chemistries. (ii) ALD reactor 2: Configured for the deposition of metal oxide films, designed for oxygen-rich precursor processes. (iii) Glove Box Module: Provides a controlled inert atmosphere that connects both ALD reactors, enabling contamination-free sample transfer and handling. (iv) Ellipsometer: Designed to operate both in-situ and ex-situ with each ALD reactor, allowing precise thin-film thickness and optical property characterisation for process monitoring, calibration, and validation. The system must be supplied and installed by the tenderer to ensure full system integration and operational compatibility for Tyndall National Institute. Together, this integrated system will form a key capability for atomic layer processing, supporting advanced thin-film deposition and real-time characterisation for next-generation materials research.

*Procedure identifier:* b827be56-fd3f-42c4-addf-c8221af7f0cb

*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):* 38300000 Measuring instruments

*Additional classification (cpv):* 38400000 Instruments for checking physical characteristics

*Additional classification (cpv):* 38500000 Checking and testing apparatus

*Additional classification (cpv):* 38600000 Optical instruments

*Additional classification (cpv):* 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: 1 800 000 Euro*

#### **2.1.4 General information**

*Legal basis:*

Directive 2014/24/EU

#### **2.1.6 Grounds for exclusion**

*Sources of grounds for exclusion:* Procurement Document

5 Lot

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### **5.1 Lot: LOT-0001**

*Title:* Supply, Delivery, Installation, Commissioning, and Validation of an Integrated Glove Box-Linked Dual Atomic Layer Deposition (ALD) Reactor System with Collocated Ellipsometer System for Tyndall, UCC

*Description:* Tyndall National Institute, University College Cork (UCC) invites tenders for the supply, delivery, installation, Commissioning, Calibration and Validation of an integrated Atomic Layer Deposition (ALD), Glove Box, and Ellipsometer System, comprising four main components: (i) ALD Reactor 1: Designed for the deposition of 2D dichalcogenide materials, featuring process conditions and precursor delivery systems optimised for chalcogen-based chemistries. (ii) ALD reactor 2: Configured for the deposition of metal oxide films, designed for oxygen-rich precursor processes. (iii) Glove Box Module: Provides a controlled inert atmosphere that connects both ALD reactors, enabling contamination-free sample transfer and handling. (iv) Ellipsometer: Designed to operate both in-situ and ex-situ with each ALD reactor, allowing precise thin-film thickness and optical property characterisation for process monitoring, calibration, and validation. The system must be supplied and installed by the tenderer to ensure full system integration and operational compatibility for Tyndall National Institute. Together, this integrated system will form a key capability for atomic layer processing, supporting advanced thin-film deposition and real-time characterisation for next-generation materials research.

*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):* 38300000 Measuring instruments

*Additional classification (cpv):* 38400000 Instruments for checking physical characteristics

*Additional classification (cpv):* 38500000 Checking and testing apparatus

*Additional classification (cpv):* 38600000 Optical instruments

*Additional classification (cpv):* 38900000 Miscellaneous evaluation or testing instruments

#### **5.1.2 Place of performance**

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

*Country:* Ireland

*Additional information:*

#### **5.1.3 Estimated duration**

*Duration:* 12 Month

#### **5.1.5 Value**

*Estimated value excluding VAT:* 1 800 000 Euro

#### **5.1.6 General information**

*Reserved participation:* Participation is not reserved.

Procurement Project fully or partially financed with EU Funds.

### *Information about European Union funds*

*EU funds programme:* Horizon Europe – the Framework Programme for Research and Innovation (2021/2027)

*The procurement is covered by the Government Procurement Agreement (GPA):* yes

#### **5.1.7 Strategic procurement**

*Aim of strategic procurement:* No strategic procurement

#### **5.1.9 Selection criteria**

*Sources of selection criteria:* Procurement Document

#### **5.1.11 Procurement documents**

*Languages in which the procurement documents are officially available:* English

*Languages in which the procurement documents (or their parts) are unofficially available:* English

*Deadline for requesting additional information:* 16/07/2026 12:00 +01:00

*Address of the procurement documents:* <https://www.etenders.gov.ie/epps/cft/listContractDocuments.do?resourceId=8458315>

#### **5.1.12 Terms of procurement**

*Terms of submission:*

*Electronic submission:* Required

*Address for submission:* <https://www.etenders.gov.ie/epps/cft/viewTenders.do?resourceId=8458315>

*Languages in which tenders or requests to participate may be submitted:* English

*Electronic catalogue:* Not allowed

*Tenderers may submit more than one tender:* Allowed

*Deadline for receipt of tenders:* 24/07/2026 12:00 +01:00

*Duration during which the tender must remain valid:* 180 Day

*Information about public opening:*

*Opening date:* 24/07/2026 12:30 +01:00

*Place:* <https://www.etenders.gov.ie/epps/cft/prepareViewCfTWS.do?resourceId=8458315>

*Terms of contract:*

*The execution of the contract must be performed within the framework of sheltered employment programmes:* Not yet known

*Electronic invoicing:* Required

*Electronic ordering will be used:* yes

*Electronic payment will be used:* yes

#### **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

*Organisation receiving requests to participate:* University College Cork

*Organisation processing tenders:* University College Cork

### 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](mailto: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*

*Organisation receiving requests to participate*

*Organisation processing tenders*

### 8.1 ORG-0002

*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](mailto:HighCourtCentralOffice@courts.ie)

*Telephone:* +353 1 8886000

*Roles of this organisation:*

*Review organisation*

*Organisation providing more information on the review procedures*

### 8.1 ORG-0003

*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](mailto:eproc-esender@eurodyn.com)

*Telephone:* +30 2108094500

*Roles of this organisation:*

*TED eSender*

*Notice information*

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*Notice identifier/version:* a3381a66-b5dc-4333-951b-f4fcfc611398 - 01

*Form type:* Competition

*Notice type:* Contract or concession notice – standard regime

*Notice dispatch date:* 23/06/2026 07:48 +01:00

*Languages in which this notice is officially available:* English