Ireland: Servo-hydraulic test apparatus
Request for Tenders under Open National Procedure for the Modernisation of a 400kN Servo-Hydraulic Universal Testing Machine for Trinity College Dublin (TCD)

Contract or concession notice – standard regime

1 *Buyer*

1.1 *Buyer*

Official name: Trinity College Dublin the University of Dublin_336
Legal type of the buyer: Body governed by public law
Activity of the contracting authority: Education

2 *Procedure*

2.1 *Procedure*

Title: Request for Tenders under Open National Procedure for the Modernisation of a 400kN Servo-Hydraulic Universal Testing Machine for Trinity College Dublin (TCD)
Description: The Discipline of Civil, Structural and Environmental Engineering at Trinity College Dublin seeks the modernisation of an existing 400 kN servo-hydraulic Universal Testing Machine. The objective of this project is to extend the operational life and functionality of the existing four-column fatigue-rated loading frame and hydraulic infrastructure by replacing the obsolete servo-controller with a modern, software-driven digital control system. The upgraded system must be capable of performing both static and dynamic testing in compression and tension under force, displacement and strain control modes. The scope of works includes the provision of a PC workstation and dedicated control software, calibration of the existing load cell and LVDT, replacement of hydraulic hoses, and servicing or replacement of the current servo valves. Safety upgrades are also required, including installation of an electronically controlled hydraulic isolation manifold, in-line pressure switch and emergency stop. The modernised system must support data acquisition speeds of at least 1000 Hz and comply with the calibration requirements of EN ISO 7500-1.
Procedure identifier: fff7c277-4472-4a90-a6a3-9b29d82af4de
Type of procedure: Open
The procedure is accelerated: *no*

2.1.1 *Purpose*

Main nature of the contract: Supplies
Main classification (cpv): 38542000 Servo-hydraulic test apparatus

2.1.2 *Place of performance*

Country subdivision (NUTS): Dublin (IE061)
Country: Ireland

2.1.3 *Value*

Estimated value excluding VAT: 120 000 *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*

5.1 *Lot technical ID*: LOT-0001

Title: Request for Tenders under Open National Procedure for the Modernisation of a 400kN Servo-Hydraulic Universal Testing Machine for Trinity College Dublin (TCD)

Description: The Discipline of Civil, Structural and Environmental Engineering at Trinity College Dublin seeks the modernisation of an existing 400 kN servo-hydraulic Universal Testing Machine. The objective of this project is to extend the operational life and functionality of the existing four-column fatigue-rated loading frame and hydraulic infrastructure by replacing the obsolete servo-controller with a modern, software-driven digital control system. The upgraded system must be capable of performing both static and dynamic testing in compression and tension under force, displacement and strain control modes. The scope of works includes the provision of a PC workstation and dedicated control software, calibration of the existing load cell and LVDT, replacement of hydraulic hoses, and servicing or replacement of the current servo valves. Safety upgrades are also required, including installation of an electronically controlled hydraulic isolation manifold, in-line pressure switch and emergency stop. The modernised system must support data acquisition speeds of at least 1000 Hz and comply with the calibration requirements of EN ISO 7500-1.

Internal identifier: TCD-26-C2324

5.1.1 *Purpose*

Main nature of the contract: Supplies

Main classification (cpv): 38542000 Servo-hydraulic test apparatus

5.1.2 *Place of performance*

Country subdivision (NUTS): Dublin (IE061)

Country: Ireland

Additional information:

5.1.3 *Estimated duration*

Duration: 12 *Month*

5.1.5 *Value*

Estimated value excluding VAT: 82 500 *Euro*

5.1.6 *General information*

Reserved participation: Participation is not reserved.

Procurement Project not financed with EU Funds.

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

5.1.7 *Strategic procurement*

Aim of strategic procurement: Reduction of environmental impacts

Description: 10% weighting allocated for Section B. Environmental & Sustainability of the Award Criteria

Approach to reducing environmental impacts: Climate change mitigation

Green Procurement Criteria: National Green Public Procurement criteria

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: 23/04/2026 14:00 +01:00
Address of the procurement documents: https://www.etenders.gov.ie/epps/cft/listContractDocuments.do?resourceId=7858843

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=7858843
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: 30/04/2026 14:00 +01:00
Deadline until which the tender must remain valid: 6 *Month*
Information about public opening:
Opening date: 30/04/2026 14:30 +01:00
Place: https://www.etenders.gov.ie/epps/cft/prepareViewCfTWS.do?resourceId=7858843
Terms of contract:
The execution of the contract must be performed within the framework of sheltered employment programmes: No
Electronic invoicing: Allowed
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: Trinity College Dublin the University of Dublin_336
Organisation providing more information on the review procedures: The High Court of Ireland
Organisation receiving requests to participate: Trinity College Dublin the University of Dublin_336
Organisation processing tenders: Trinity College Dublin the University of Dublin_336

8 *Organisations*

8.1 ORG-0001

Official name: Trinity College Dublin the University of Dublin_336
Registration number: CHY 11
Postal address: 3 College Green
Town: Dublin
Postcode: D02 XH97
Country subdivision (NUTS): Dublin (IE061)
Country: Ireland
Email: mireilly@tcd.ie
Telephone: 018968586

Internet address: https://www.tcd.ie
Buyer profile: https://www.tcd.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
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
Telephone: +30 2108094500
Roles of this organisation:
TED eSender

Notice information

Notice identifier/version: 29ad1b14-3cfa-4c87-a2d8-06b781d2e174 - 01
Form type: Competition
Notice type: Contract or concession notice – standard regime
Notice dispatch date: 07/04/2026 12:26 +01:00
Languages in which this notice is officially available: English