

1. Buyer

1.1 Buyer

Official name : Universiteit Utrecht

2. Procedure

2.1 Procedure

Title: Research Equipment (SOFC/SOEC Test Station)

Description: Utrecht University intends to award a contract for the supply, installation, commissioning and maintenance of a bidirectional Solid Oxide Electrolyzer Cell (SOEC) and Solid Oxide Fuel Cell (SOFC) test station for use in the university's Hydrogen Laboratory. The system will be used to evaluate the electrochemical performance of SOFC and SOEC stacks under various operational scenarios, including dynamic load profiles and long-term durability testing.

Procedure identifier: 9bfda7f5-e951-456b-9a3b-554383ea2eb6

Internal identifier: 25/1000.1002/002

Type of procedure: Negotiated without prior call for competition

2.1.1 Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

2.1.2 Place of performance

Country: Netherlands

Anywhere in the given country

Additional information: See documentation

2.1.4 General information

Legal basis:

Directive 2014/24/EU

5. Lot

5.1 Lot technical ID: LOT-0000

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5.1.1 Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses)

5.1.2 Place of performance

Country: Netherlands

Anywhere in the given country

Additional information: See documentation

5.1.6 General information

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

yes

5.1.12 Terms of procurement

Information about review deadlines: See planning

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: Rechtbank Midden-Nederland

Information about review deadlines: See planning

Organisation providing additional information about the procurement procedure: Universiteit Utrecht

Organisation providing more information on the review procedures: Universiteit Utrecht

Organisation whose budget is used to pay for the contract: Universiteit Utrecht

Organisation executing the payment: Universiteit Utrecht

:

6. Results

Direct award:

Justification
for direct
award:

The contract can be provided only by a particular economic operator because of an absence of competition for technical reasons

Other
justification:

Description of the Contract: Utrecht University intends to award a contract for the supply, installation, commissioning and maintenance of a bidirectional Solid Oxide Electrolyzer Cell (SOEC) and Solid Oxide Fuel Cell (SOFC) test station for use in the university's Hydrogen Laboratory. The system will be used to evaluate the electrochemical performance of SOFC and SOEC stacks under various operational scenarios, including dynamic load profiles and long-term durability testing. The intended test station must meet at least the following functional requirements: • Operation with multiple gas types, including H₂, CH₄, CO, and CO₂. • Compatibility with commercially available standard stack sizes. • Power capacity between 1 kW and 5 kW (in electrolysis mode). • Capability to operate under galvanostatic and potentiostatic control. • Seamless transition between SOFC and SOEC modes within 10 minutes. • Control ranges: operating temperatures between 600–900°C, gas flows from 0.1–10 L/min, and pressures from ambient up to 5 bar. • Durability testing capability for continuous operation up to 1000 hours per test cycle. • Integration of electrochemical impedance spectroscopy (EIS) measurements, covering at least the 10 mHz–1 MHz frequency range, fully integrated into the automation software. • Data logging with a minimum sampling rate of 1 Hz, supporting exports in common industrial formats such as CSV, XML, or MDF 4.1 (or equivalent). • Fully automated gas supply system with mass flow controllers (accuracy: ±1% of full scale), a steam generator with controlled humidity management, and comprehensive safety systems, including hydrogen detection, emergency shutdown, and controlled venting of excess gases. Justification for Direct Award: Following a market analysis, Utrecht University has determined that only one supplier can deliver a test station that meets the specific functional and technical requirements necessary for the intended research purposes. The intended direct award is based on Article 2.32 paragraph 1 sub b of the Dutch Procurement Act 2012 (technical reasons – absence of competition for technical reasons).

6.1 Result lot Identifier: LOT-0000

6.1.2 Information about winners

Winner:

Official name
: HORIBA FuelCon GmbH

Tender:

Tender
identifier: T150118Identifier of
lot or group
of lots: LOT-0000

Contract information:

Identifier of
the contract: 25/1000.1002/002

8. Organisations

8.1 ORG-0001

Official name
: Universiteit UtrechtRegistration
number: 30275924Postal
address: Heidelberglaan 8

Town: Utrecht

Postcode: 3584CS

Country

subdivision Utrecht (NL310)
(NUTS):
Country: Netherlands
Contact point Geurt Visser
:
Email: g.visser@uu.nl
Telephone: +31638679650
Internet address: <https://www.uu.nl>
Buyer profile <https://s2c.mercell.com/buyer/2422>
:

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

Organisation providing more information on the review procedures

Organisation whose budget is used to pay for the contract

Organisation executing the payment

8.1 ORG-0002

Official name Rechtbank Midden-Nederland
:

Registration number: 82940444

Postal address: Vrouwe Justitiaplein 1

Town: Utrecht

Postcode: 3511 EX

Country subdivision Utrecht (NL310)
(NUTS):

Country: Netherlands

Email: iac@uu.nl

Telephone: +31302531230

Internet address: <https://www.uu.nl>

Roles of this organisation:

Review organisation

8.1 ORG-0003

Official name HORIBA FuelCon GmbH
:

Town: Magdeburg-Barleben

Postcode: 39179

Country subdivision Schwandorf (DE239)
(NUTS):

Country: Germany

Email: iac@uu.nl

Telephone: +31 302531230

Roles of this organisation:

Tenderer

Winner of these lots: LOT-0000

Notice information

Notice

identifier 40f0a0d5-be37-4d9d-bfe0-72053367f4e8 - 01
/version:

Form type: Direct award preannouncement

Notice type: Voluntary ex-ante transparency notice

Notice

dispatch date 08/05/2025 13:14 +00:00
:

Notice

dispatch date 08/05/2025 13:17 +00:00

(eSender):

Languages in which this

notice is officially available: English