1. Buyer

1.1 Buyer

Official name : Universiteit Utrecht

1.1 Buyer

Official name : Leiden University

2. Procedure

2.1 Procedure

Title: Two high end cryogenic TEMs

Description: Utrecht University and Leiden University intend to award the contracts concerning the delivery, installation, and maintenance of two Krios 5 TEMs for research within the EMPower roadmap project, a collaboration between Utrecht University and Leiden University directly to FEI Europe BV.

Procedure identifier: e62601c6-e2a2-48f9-b61e-1332d28e0bda

Internal identifier: 92e68418-6977-4c4c-bb5f-0bc575a2013b

Type of procedure: Negotiated without prior call for competition

2.1.1 Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38511000 Electron microscopes

2.1.2 Place of performance

Country: Netherlands

Anywhere in the given country

Additional information: Zie documentatie

2.1.4 General information

Legal basis:

Directive 2014/24/EU

5. Lot

5.1 Lot technical ID: LOT-0000

Title: Two high end cryogenic TEMs

Description: Utrecht University and Leiden University intend to award the contracts concerning the delivery, installation, and maintenance of two Krios 5 TEMs for research within the EMPower roadmap project, a collaboration between Utrecht University and Leiden University directly to FEI Europe BV.

Internal identifier: 1e4ef90f-eda6-40a5-b13c-960f9a7777a9

5.1.1 Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38511000 Electron microscopes

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5.1.2 Place of performance

Country: Netherlands

Anywhere in the given country

Additional information: Zie documentatie

5.1.3 Estimated duration

Duration: 11 Year

5.1.4 Renewal

Maximum renewals: 99

5.1.6 General information

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

5.1.16 Further information, mediation and review

Review organisation: Rechtbank Midden-Nederland

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: There is no competition for technical reasons (Article 2.32, paragraph 1, subparagraph b, point 2, Aw 2012). The Krios 5 TEM offered by Thermo Fisher Scientific has a unique combination of required characteristics to realise the goals of the EMPower roadmap project. The new Krios 5 TEMs will support Dutch life science researchers by providing data at both high quality and at high throughput to answer their biological research questions. The TEMs will allow structure determination of isolated complexes in the realm of 1 Å resolution using single particle cryo-EM, which facilitates precise mechanistic studies of biochemical processes and drug development. They will also be used for the collection of tilt-series data that provides atomic insights into biomolecules at slightly lower resolutions but still approaching 2-3 Å resolution sufficient for building atomically accurate models. The Krios 5 TEM is the only instrument on the market capable of producing data of sufficient quality and quantity consistently without close monitoring (overnight) by expert operators. The instrument is unique in its ability to achieve this level of performance as an optimized and integrated product. Particular specifications that are unmatched and form part of the critical, core functionality are: • An electron source (cold field emission gun) with an energy spread of less than 0.4 eV (FWHM) with stable alignments that require minimal realignment after flashing. • Reproducible beam-image shift operations (with errors less than 10%) across 40 µm range (± 20 µm) without introducing significant (0.5 mrad) beam tilt • All lenses have sufficiently low hysteresis to allow changes in optical states at will, without impacting alignments or restarting automated collection runs, including negligible effects on targeting accuracy and resolution • A beam settling time of less than 1 minute when changing optical state (e.g., magnification or gun condenser lens) and less than 5 seconds when adjusting beam-image shift, minimizing time spent waiting for stable imaging conditions. • A fully integrated detector with o A detective quantum efficiency (DQE) better than 0.7 at half-Nyquist and better than 0.4 at Nyquist spatial frequencies o Data readout rates and write to storage rates of 300 frames per second at maximum resolution • An energy filter with stability of better than ±2 eV over 24 hours • A stable, high precision tilt stage with eucentricity better than 2 µm in axial direction and 1 µm in lateral direction when tilting +/- 60 ° • Sample drift of less than 1 Å per second within 10 minutes of loading the sample into the electron column and 2 minutes after an automated liquid nitrogen refill, again ensuring that minimal time is spent waiting for the system to stabilize • Ability to load 12

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samples with minimal contamination and to queue data collection across multiple samples for unsupervised collection over multiple days, for both single particle and tomography samples • Optimized software that allows for targets to be queued and curated in parallel with data collection minimizing the amount of time that the operator/user needs to interact with the instrument These specifications will ultimately lead to data collection rates of at least 600 exposure movies per hour with the highest data quality possible for single particle analysis, allowing researchers to visualize their molecules of interest at better than 2 Å resolution for well behaved, optimized samples using data from collection sessions less than 16 hours long. It will also provide tomography data collection at more than 10 tilt-series per hour. Together, these will enable imaging of more samples over the operational time of the instruments and support a larger userbase. If you have any questions or objections regarding this notice, please contact Geurt Visser at g.visser@uu.nl to obtain further clarification or to allow us to assess any objections. If, despite our explanation/ response to your questions or objections, you do not agree with this intention, you can initiate summary proceedings with the Midden-Nederland District Court in Utrecht. You must do so within 20 calendar days of publication of this notice. This 20-day period is an expiry term. After this term has expired, your right to object to the outcome will lapse.

6.1 Result lot Identifier: LOT-0000

6.1.2 Information about winners

Winner:	
Official name:	FEI Europe BV
Tender:	
Tender identifier:	T183695
Identifier of lot or group of lots:	LOT-0000
Contract information:	
Identifier of the contract:	T183695

8. Organisations

8.1 ORG-0001

Official name:	Universiteit Utrecht
Registration number:	30275924
Postal address:	Heidelberglaan 8
Town:	Utrecht
Postcode:	3584CS
Country subdivision (NUTS):	Utrecht (NL350)
Country:	Netherlands
Contact point:	Geurt Visser
Email:	g.visser@uu.nl
Telephone:	+31 638679650
Internet address:	https://www.uu.nl
Buyer profile:	https://s2c.mercell.com/buyer/2422

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Roles of this organisation:

Buyer

Group leader

8.1 ORG-0002

Official name:	Rechtbank Midden-Nederland
Registration number:	82940444
Postal address:	Vrouwe Justitiaplein 1
Town:	Utrecht
Postcode:	3511 EX
Country subdivision (NUTS):	Utrecht (NL350)
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:	FEI Europe BV
Postal address:	Achtseweg Noord 5
Town:	Eindhoven
Postcode:	5651 GG
Country subdivision (NUTS):	West-Noord-Brabant (NL411)
Country:	Netherlands

Roles of this organisation:

Tenderer

Winner of these lots:	LOT-0000

8.1 ORG-0004

Official name:	Leiden University
Town:	Leiden
Postcode:	2311 EZ
Country subdivision (NUTS):	Agglomeratie Leiden en Bollenstreek (NL363)
Country:	Netherlands
Email:	g.m.schipperheijn@ufb.leidenuniv.nl
Telephone:	0638679650

Roles of this organisation:

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Buyer

Notice information

Notice identifier /version:	aa0e32e6-ccc0-4e7f-a925-81d58bfeaa0a - 01
Form type:	Direct award preannouncement
Notice type:	Voluntary ex-ante transparency notice
Notice dispatch date :	21/11/2025 16:20 +00:00
Notice dispatch date (eSender):	21/11/2025 16:20 +00:00
Languages in which this notice is officially available:	English

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