

289027-2026 - Result

Denmark – Astronomical and optical instruments – Laser Frequency Comb for 2ES

OJ S 82/2026 28/04/2026

Contract or concession award notice – standard regime

Supplies

1. Buyer

1.1. Buyer

Official name: Danmarks Tekniske Universitet - DTU

Email: kafre@dtu.dk

Legal type of the buyer: Body governed by public law

Activity of the contracting authority: Education

2. Procedure

2.1. Procedure

Title: Laser Frequency Comb for 2ES

Description: DTU will like to buy a Laser Frequency Comb for 2ES (The Second Earth Spectrograph). The Second Earth Spectrograph (2ES) is a next-generation extreme-precision radial velocity spectro-graph that will be installed at the MPG/ESO 2.2m Telescope on La Silla, Chile (Southern Hemisphere). 2ES will be dedicated to a > 5-year observing program with access to the majority (2/3) of the tele-scope time with the goal of discovering temperate terrestrial Earth-mass planets in the habitable zone around the brightest solar-type stars in the sky. In order to achieve the extreme precision needed for 2ES to complete its science objectives, a Laser Frequency Comb (LFC) calibration source is crucial in order to be able to calibrate the spectrograph to achieve the extreme precision of 10 cm/s over many years of operation. The LFC must cover the entire wavelength range of 2ES (370 nm to 870 nm) and have comb lines at appropriate spacing (see requirements) and have extreme stability (see requirements). The LFC must be able to function in a as-tronomical observing environment, be remotely operatable and be also to sustain a significant uptime at the astronomical telescope.

Procedure identifier: 9b9b8d99-e197-47a0-8651-a642200839ca

Previous notice: 142cea90-b1a6-4bc8-8200-d3dcdb11fda6-01

Internal identifier: 10691

Type of procedure: Open

The procedure is accelerated: no

Main features of the procedure: Public procurement is conducted according to the Danish legislative act (no. 1564 of December 15th 2015 (Udbudsloven)) with later changes.

2.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38630000 Astronomical and optical instruments

Additional classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses), 38600000 Optical instruments, 38636000 Specialist optical instruments, 38636100 Lasers

2.1.2. Place of performance

Postal address: Elektrovej, Building 328

Town: Kgs. Lyngby

Postcode: 2800

Country subdivision (NUTS): Københavns omegn (DK012)

Country: Denmark

Additional information: Delivery must be made at DTU, Denmark.

2.1.3. Value

Estimated value excluding VAT: 1 300 000,00 EUR

2.1.4. General information

Call for competition is terminated

Additional information: General information on participation in the tender procedure:

Participation in the tender can only be done electronically via the contracting authority's electronic tender system. In order to access the tender documents, the tenderer must be registered or register as a user. If the tender contains several editions (versions) of the same document, the latest uploaded version will be the valid one. All communication in connection with the tender procedure, including questions and answers, must be done via the electronic tender system. Questions must be submitted so that they are received in time for the contracting authority to obtain the necessary information and provide the answers no later than six days before the expiry of the tender deadline. Questions received later than six days before the expiry of the deadline cannot be expected to be answered, unless the deadline is simultaneously postponed. Interested parties are asked to stay informed via the electronic tender system. If the applicant experiences problems with the system, support can be contacted by email, dksupport@eu-supply.com, or by phone, (+45) 70 20 80 14. The tenderer must submit an ESPD as preliminary evidence of the matters mentioned in the Danish Public Procurement Act. It is not necessary for the tenderer to sign his ESPD document. Before the award decision, the tenderer to whom the contracting authority intends to award the contract must provide documentation of the information provided in the ESPD in accordance with Sections 151-152 of the Public Procurement Act, cf. Section 153. As an alternative to the documentation referred to in Sections 153-155, 157 and 158 of the Public Procurement Act, the tenderer may provide the contracting authority with a certificate of inclusion on an official list of approved economic operators, cf. Section 156, issued by the competent authority. The contracting authority may only accept certificates of inclusion on an official list from tenderers established in the country which maintains the official list. Language: All correspondence regarding the tender must be in English. Tenders must be submitted in English. The final contract will be concluded in English. Estimated value of the contract: It is noted that the amount constitutes an estimate of the expected contract sum for the full term of the contract. The contracting authority may use the procedure in Section 159(5) of the Public Procurement Act if the tender does not meet the formal requirements of the tender documents. Attention is drawn to the fact that the tender is covered by Article 5k of Regulation (EU) No. 833/2014, as amended. The provision contains a prohibition against awarding contracts to Russian companies and Russian-controlled companies, etc. (see Article 5k, paragraph 1, for the precise definition of the actors covered by the ban). The contracting authority reserves the right to require documentation at any time during the tender process that the economic operators are not covered by the ban, e.g. by requiring a declaration to this effect and/or documentation of the place of establishment and ownership of the actors and their possible subcontractors. Please be aware that the Optical Frequency Comb-based Calibration System and the UV extension must be delivered at DTU at two different times. After Delivery to DTU, DTU will move the Optical Frequency Comb-based Calibration System and the UV extension to Heidelberg University. After DTU's delivery to Heidelberg University, the Supplier must complete installation, test and training for both the Optical Frequency Comb-based Calibration

System and the UV extension at Heidelberg University. Installation, test and training must for each part be completed no later than 3 weeks after arrival at Heidelberg University and the Supplier has received a notice from DTU regarding the time of installation, test and training. Because the two parts are not delivered at the same time, the Supplier must visit Heidelberg University two times for installation, testing and training. About 6 months after the instrument has been delivered to Heidelberg University, DTU will move the instrument to Chile: La Silla Observatory, La Higuera, Coquimbo, Chile. DTU will like to have the possibility to buy installation, test and training equal to the description above, when the instrument has been moved to Chile, please see the Agreement and Appendix 1 – The Suppliers tender.

Legal basis:

Directive 2014/24/EU

5. Lot

5.1. Lot: LOT-0000

Title: Laser Frequency Comb for 2ES

Description: DTU will like to buy a Laser Frequency Comb for 2ES (The Second Earth Spectrograph). The Second Earth Spectrograph (2ES) is a next-generation extreme-precision radial velocity spectro-graph that will be installed at the MPG/ESO 2.2m Telescope on La Silla, Chile (Southern Hemisphere). 2ES will be dedicated to a > 5-year observing program with access to the majority (2/3) of the tele-scope time with the goal of discovering temperate terrestrial Earth-mass planets in the habitable zone around the brightest solar-type stars in the sky. In order to achieve the extreme precision needed for 2ES to complete its science objectives, a Laser Frequency Comb (LFC) calibration source is crucial in order to be able to calibrate the spectrograph to achieve the extreme precision of 10 cm/s over many years of operation. The LFC must cover the entire wavelength range of 2ES (370 nm to 870 nm) and have comb lines at appropriate spacing (see requirements) and have extreme stability (see requirements). The LFC must be able to function in a as-tronomical observing environment, be remotely operatable and be also to sustain a significant uptime at the astronomical telescope. Internal identifier: 10691

5.1.1. Purpose

Main nature of the contract: Supplies

Main classification (cpv): 38630000 Astronomical and optical instruments

Additional classification (cpv): 38000000 Laboratory, optical and precision equipments (excl. glasses), 38600000 Optical instruments, 38636000 Specialist optical instruments, 38636100 Lasers

Options:

Description of the options: Installation, test and training in Chile Warranty - Extention (2th year) Hotline-service Maintenance visit in Chile

5.1.2. Place of performance

Postal address: Elektrovej, Building 328

Town: Kgs. Lyngby

Postcode: 2800

Country subdivision (NUTS): Københavns omegn (DK012)

Country: Denmark

Additional information: Delivery must be made at DTU, Denmark.

5.1.3. Estimated duration

Duration: 2 Years

5.1.5. Value

Estimated value excluding VAT: 1 300 000,00 EUR

5.1.6. General information

Procurement Project not financed with EU Funds.

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

Additional information: General information on participation in the tender procedure:

Participation in the tender can only be done electronically via the contracting authority's electronic tender system. In order to access the tender documents, the tenderer must be registered or register as a user. If the tender contains several editions (versions) of the same document, the latest uploaded version will be the valid one. All communication in connection with the tender procedure, including questions and answers, must be done via the electronic tender system. Questions must be submitted so that they are received in time for the contracting authority to obtain the necessary information and provide the answers no later than six days before the expiry of the tender deadline. Questions received later than six days before the expiry of the deadline cannot be expected to be answered, unless the deadline is simultaneously postponed. Interested parties are asked to stay informed via the electronic tender system. If the applicant experiences problems with the system, support can be contacted by email, dksupport@eu-supply.com, or by phone, (+45) 70 20 80 14. The tenderer must submit an ESPD as preliminary evidence of the matters mentioned in the Danish Public Procurement Act. It is not necessary for the tenderer to sign his ESPD document. Before the award decision, the tenderer to whom the contracting authority intends to award the contract must provide documentation of the information provided in the ESPD in accordance with Sections 151-152 of the Public Procurement Act, cf. Section 153. As an alternative to the documentation referred to in Sections 153-155, 157 and 158 of the Public Procurement Act, the tenderer may provide the contracting authority with a certificate of inclusion on an official list of approved economic operators, cf. Section 156, issued by the competent authority. The contracting authority may only accept certificates of inclusion on an official list from tenderers established in the country which maintains the official list. Language: All correspondence regarding the tender must be in English. Tenders must be submitted in English. The final contract will be concluded in English. Estimated value of the contract: It is noted that the amount constitutes an estimate of the expected contract sum for the full term of the contract. The contracting authority may use the procedure in Section 159(5) of the Public Procurement Act if the tender does not meet the formal requirements of the tender documents. Attention is drawn to the fact that the tender is covered by Article 5k of Regulation (EU) No. 833/2014, as amended. The provision contains a prohibition against awarding contracts to Russian companies and Russian-controlled companies, etc. (see Article 5k, paragraph 1, for the precise definition of the actors covered by the ban). The contracting authority reserves the right to require documentation at any time during the tender process that the economic operators are not covered by the ban, e.g. by requiring a declaration to this effect and/or documentation of the place of establishment and ownership of the actors and their possible subcontractors. Please be aware that the Optical Frequency Comb-based Calibration System and the UV extension must be delivered at DTU at two different times. After Delivery to DTU, DTU will move the Optical Frequency Comb-based Calibration System and the UV extension to Heidelberg University. After DTU's delivery to Heidelberg University, the Supplier must complete installation, test and training for both the Optical Frequency Comb-based Calibration System and the UV extension at Heidelberg University. Installation, test and training must for each part be completed no later than 3 weeks after arrival at Heidelberg University and the Supplier has received a notice from DTU regarding the time of installation, test and training.

Because the two parts are not delivered at the same time, the Supplier must visit Heidelberg University two times for installation, testing and training. About 6 months after the instrument has been delivered to Heidelberg University, DTU will move the instrument to Chile: La Silla Observatory, La Higuera, Coquimbo, Chile. DTU will like to have the possibility to buy installation, test and training equal to the description above, when the instrument has been moved to Chile, please see the Agreement and Appendix 1 – The Suppliers tender.

5.1.7. Strategic procurement

Green Procurement Criteria: Other Green Public Procurement criteria

The procurement falls within the scope of the Energy Efficiency Directive (EED) (EU) 2023 /1791

List of products, works, services and buildings related to the Energy Efficiency Directive (EED):

Products (Green Public Procurement criteria)

5.1.10. Award criteria

Criterion:

Type: Price

Name: Price

Description: The price to be assessed is the Total Agreement Value and the Total Price for Options, specified in Section 2.1 and 2.2 in Appendix 2 – Prices. The tender with the lowest total price will be awarded the contract.

Category of award weight criterion: Weight (percentage, exact)

Award criterion number: 100

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: Klagenævnet for Udbud

Information about review deadlines: Complaint regarding award of contract: Complaint regarding the award of a contract must be submitted no later than 45 calendar days from the date after the Contracting Authority has published a notice in the European Union Official Journal informing that the Contracting Authority has awarded/concluded a contract, cf. lov om Klagenævnet for Udbud (Complaints Board for Tenders) § 7, Section 2, no. 1.

Organisation providing additional information about the procurement procedure: Danmarks Tekniske Universitet - DTU

Organisation providing offline access to the procurement documents: Danmarks Tekniske Universitet - DTU

Organisation providing more information on the review procedures: Konkurrence- og Forbrugerstyrelsen

Organisation whose budget is used to pay for the contract: Danmarks Tekniske Universitet - DTU

Organisation executing the payment: Danmarks Tekniske Universitet - DTU

Organisation signing the contract: Danmarks Tekniske Universitet - DTU

6. Results

Value of all contracts awarded in this notice: 145 584,00 EUR

6.1. Result lot identifier: LOT-0000

Winner selection status: At least one winner was chosen.

6.1.2. Information about winners

Winner:

Official name: Menlo Systems GmbH

Tender:

Tender identifier: Laser Frequency Comb for 2ES - Menlo Systems GmbH

Identifier of lot or group of lots: LOT-0000

Value of the tender: 1 455 840,00 EUR

The tender was ranked: no

The tender is a variant: no

Subcontracting: Not yet known

Contract information:

Identifier of the contract: Laser Frequency Comb for 2ES - Menlo Systems GmbH

Date on which the winner was chosen: 20/04/2026

Date of the conclusion of the contract: 23/04/2026

Organisation signing the contract: Danmarks Tekniske Universitet - DTU

6.1.4. Statistical information

Summary of the review requests the buyer received:

Number of complainants: 0

Received tenders or requests to participate:

Type of received submissions: Tenders

Number of tenders or requests to participate received: 1

List of products, works, services and buildings related to the Energy Efficiency

Directive (EED):

Products (Green Public Procurement criteria)

Energy Savings in kWh/year: 0

Energy Consumption in kWh/year: 800

Energy efficiency quantity: 1

8. Organisations

8.1. ORG-0001

Official name: Danmarks Tekniske Universitet - DTU

Registration number: 30060946

Postal address: Anker Engelunds Vej 1

Town: Kgs. Lyngby

Postcode: 2800

Country subdivision (NUTS): Københavns omegn (DK012)

Country: Denmark

Contact point: Katrine Freiesleben Petersen

Email: kafre@dtu.dk

Telephone: +45 45252525

Internet address: <https://www.dtu.dk>

Buyer profile: <https://eu.eu-supply.com/ctm/company/companyinformation/index/165863>

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure
Organisation providing offline access to the procurement documents
Organisation signing the contract
Organisation whose budget is used to pay for the contract
Organisation executing the payment

8.1. **ORG-0002**

Official name: Klagenævnet for Udbud
Registration number: 37795526
Postal address: Nævnenes hus, Toldboden 2
Town: Viborg
Postcode: 8800
Country subdivision (NUTS): Østjylland (DK042)
Country: Denmark
Email: kfu@erst.dk
Telephone: +45 35291000
Internet address: <http://www.kfu.dk>

Roles of this organisation:

Review organisation

8.1. **ORG-0003**

Official name: Konkurrence- og Forbrugerstyrelsen
Registration number: 10294819
Postal address: Carl Jacobsens Vej 35
Town: Valby
Postcode: 2500
Country subdivision (NUTS): Byen København (DK011)
Country: Denmark
Email: kfst@kfst.dk
Telephone: +45 41715000
Internet address: <http://www.kfst.dk>

Roles of this organisation:

Organisation providing more information on the review procedures

8.1. **ORG-0004**

Official name: Menlo Systems GmbH
Size of the economic operator: Micro, small, or medium
Registration number: DE217772017
Postal address: Am Klopferspitz 19a
Town: Martinsried
Postcode: 82152
Country subdivision (NUTS): München, Landkreis (DE21H)
Country: Germany
Email: sales@menlosystems.com
Telephone: +49 891891660

Roles of this organisation:

Tenderer

Winner of these lots: LOT-0000

8.1. **ORG-0005**

Official name: Merzell Holding ASA

Registration number: 980921565
Postal address: Askekroken 11
Town: Oslo
Postcode: 0277
Country subdivision (NUTS): Oslo (NO081)
Country: Norway
Contact point: eSender
Email: publication@mercell.com
Telephone: +47 21018800
Fax: +47 21018801
Internet address: <http://mercell.com/>
Roles of this organisation:
TED eSender

Notice information

Notice identifier/version: 271424e6-b3f4-4422-8c6e-c3d158fb7a91 - 01
Form type: Result
Notice type: Contract or concession award notice – standard regime
Notice subtype: 29
Notice dispatch date: 27/04/2026 09:36:24 (UTC+00:00) Western European Time, GMT
Notice dispatch date (eSender): 27/04/2026 09:37:36 (UTC+00:00) Western European Time, GMT
Languages in which this notice is officially available: English
Notice publication number: 289027-2026
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Publication date: 28/04/2026