

616391-2026 - Rezultat

Danemarca – Simulator tehnic de cercetare, de testare și științific – Low vibration, high vacuum cryostat, with vector magnet for SDU

OJ S 173/2026 08/09/2026

Anunț de atribuire a contractului sau a concesiunii - regim standard

Produse

1. Cumpărător

1.1. Cumpărător

Denumire oficială: Syddansk Universitet

E-mail: cfro@sdu.dk

Forma juridică a achizitorului: Organism de drept public

Activitatea autorității contractante: Educație

2. Procedură

2.1. Procedură

Titlu: Low vibration, high vacuum cryostat, with vector magnet for SDU

Descriere: The requested cryogenic system must meet a unique combination of optical, cryogenic, vacuum, vibration, electrical, and future upgrade requirements that are essential for our research. Following a market assessment, only the proposed supplier was identified as capable of providing a fully integrated system meeting all mandatory specifications. 1. Product Specifications Required The system must provide: •At least four lateral optical accesses and one top optical access. •A large cryogenic sample volume of Ø250 mm cold plate × 250 mm height. •Non-magnetic radiation shield with four horizontal and one vertical optical window. •Three integrated 50 A high-current channels to the 4 K stage. •Four thermally anchored coaxial lines for measurements up to 20 GHz. •Four fibre-optic feedthroughs. •48 DC electrical connections at the 4 K cold plate. •Base temperature ≤ 3.5 K with stability better than 50 mK. •Cooling power of at least 250 mW at 4.2 K. •Vibration levels below 30 nm peak-to-peak. •Ultra-high vacuum better than 1×10^{-9} mbar. •Remote cryocooler architecture with unrestricted 360° optical access. •Future compatibility with a removable 4-1-1 vector magnet. •Complete mobility of the cryostat on the optical table. 2. Why These Specifications Are Necessary •Large 250 mm sample space: Required to accommodate complex optical setups, cryogenic positioners, electrical and fibre connections, and future magnet integration without redesigning the experimental platform. •Ultra-high vacuum (UHV): Our experiments run continuously for several weeks. A vacuum level better than 1×10^{-9} mbar is essential to avoid contamination of samples and optical windows, ensuring stable measurement conditions and reproducible results over long measurement periods. •Remote cryocooler and ultra-low vibration: Our experiments rely on interferometric and other vibration-sensitive optical measurements. The cryocooler must be physically separated from the optical table to minimise vibration and acoustic noise transmission, while maintaining the flexibility to move the cryostat when experimental configurations evolve. •Extensive optical access: Four side windows and one top window are required to provide simultaneous laser excitation, imaging, collection optics, and future experimental configurations that cannot be accommodated by standard cryostat designs. •Future magnet integration: The system must support straightforward integration of a 4-1-1 vector magnet and allow different magnet configurations to be installed or removed without major modifications to the cryostat. 3. Why There Is Only One Supplier

The selected supplier is the only identified manufacturer capable of providing all required features within one validated and integrated platform. In particular, the supplier uniquely combines: •A Ø250 mm × 250 mm cryogenic sample space. •UHV performance (<10⁻⁹ mbar) suitable for multi-week experiments. •A remote cryocooler architecture delivering very low vibration while preserving cryostat mobility. •Unobstructed 360° optical access with multiple optical ports. •Integrated high-current, RF, fibre-optic, and DC measurement infrastructure. •A design specifically prepared for future vector magnet integration and compatibility with different magnet configurations. •Cryogenic positioners and cryostat supplied by the same manufacturer, ensuring full mechanical, thermal, electrical, and software compatibility while eliminating integration risks. Although alternative suppliers may offer some individual features, no other supplier was found that can simultaneously provide the required UHV performance, large sample volume, remote low-vibration architecture, extensive optical access, future magnet flexibility, and fully integrated cryogenic positioning system. We have nonetheless ensured that the terms of acquisition reflect sound financial judgment and serve the best interests of SDU and Danish taxpayers. Based on the market coverage, there is only one supplier who can deliver the desired equipment.

Identificatorul procedurii: 2cdf83fc-c467-4b67-b77e-fe5efa85efd7

Anunț anterior: 586950-2026

Identificator intern: 784111

Tip de procedură: Negociată fără publicarea unei proceduri concurențiale de ofertare

2.1.1. Scop

Natura contractului: Produse

Clasificarea principală (cpv): 38970000 Simulator tehnic de cercetare, de testare și științific

Clasificare suplimentară (cpv): 38000000 Echipamente de laborator, optice și de precizie (cu excepția ochelarilor)

2.1.2. Locul de executare

Subdiviziunea țării (NUTS): Fyn (DK031)

Țara: Danemarca

2.1.4. Informații generale

Informații suplimentare: The low vibration, high vacuum cryostat, with vector magnet can only be supplied by Qnity SAS because it is the only known commercial supplier of a system with these technical specifications. There is an objective and proportionate reason for the establishment of specifications which result in there being only one supplier. The possibility that there are other potential suppliers who could deliver the same has been objectively excluded by market consultations.

Temei juridic:

Directiva 2014/24/UE

5. Lot

5.1. Lot: LOT-0000

Titlu: Low vibration, high vacuum cryostat, with vector magnet for SDU

Descriere: The requested cryogenic system must meet a unique combination of optical, cryogenic, vacuum, vibration, electrical, and future upgrade requirements that are essential for our research. Following a market assessment, only the proposed supplier was identified as capable of providing a fully integrated system meeting all mandatory specifications. 1. Product Specifications Required The system must provide: •At least four lateral optical accesses and one top optical access. •A large cryogenic sample volume of Ø250 mm cold plate × 250 mm

height. •Non-magnetic radiation shield with four horizontal and one vertical optical window. •Three integrated 50 A high-current channels to the 4 K stage. •Four thermally anchored coaxial lines for measurements up to 20 GHz. •Four fibre-optic feedthroughs. •48 DC electrical connections at the 4 K cold plate. •Base temperature ≤ 3.5 K with stability better than 50 mK. •Cooling power of at least 250 mW at 4.2 K. •Vibration levels below 30 nm peak-to-peak. •Ultra-high vacuum better than 1×10^{-9} mbar. •Remote cryocooler architecture with unrestricted 360° optical access. •Future compatibility with a removable 4-1-1 vector magnet. •Complete mobility of the cryostat on the optical table.

2. Why These Specifications Are Necessary •Large 250 mm sample space: Required to accommodate complex optical setups, cryogenic positioners, electrical and fibre connections, and future magnet integration without redesigning the experimental platform. •Ultra-high vacuum (UHV): Our experiments run continuously for several weeks. A vacuum level better than 1×10^{-9} mbar is essential to avoid contamination of samples and optical windows, ensuring stable measurement conditions and reproducible results over long measurement periods. •Remote cryocooler and ultra-low vibration: Our experiments rely on interferometric and other vibration-sensitive optical measurements. The cryocooler must be physically separated from the optical table to minimise vibration and acoustic noise transmission, while maintaining the flexibility to move the cryostat when experimental configurations evolve. •Extensive optical access: Four side windows and one top window are required to provide simultaneous laser excitation, imaging, collection optics, and future experimental configurations that cannot be accommodated by standard cryostat designs. •Future magnet integration: The system must support straightforward integration of a 4-1-1 vector magnet and allow different magnet configurations to be installed or removed without major modifications to the cryostat.

3. Why There Is Only One Supplier The selected supplier is the only identified manufacturer capable of providing all required features within one validated and integrated platform. In particular, the supplier uniquely combines: •A Ø250 mm × 250 mm cryogenic sample space. •UHV performance ($<10^{-9}$ mbar) suitable for multi-week experiments. •A remote cryocooler architecture delivering very low vibration while preserving cryostat mobility. •Unobstructed 360° optical access with multiple optical ports. •Integrated high-current, RF, fibre-optic, and DC measurement infrastructure. •A design specifically prepared for future vector magnet integration and compatibility with different magnet configurations. •Cryogenic positioners and cryostat supplied by the same manufacturer, ensuring full mechanical, thermal, electrical, and software compatibility while eliminating integration risks. Although alternative suppliers may offer some individual features, no other supplier was found that can simultaneously provide the required UHV performance, large sample volume, remote low-vibration architecture, extensive optical access, future magnet flexibility, and fully integrated cryogenic positioning system. We have nonetheless ensured that the terms of acquisition reflect sound financial judgment and serve the best interests of SDU and Danish taxpayers. Based on the market coverage, there is only one supplier who can deliver the desired equipment.

Identificator intern: 784111

5.1.1. Scop

Natura contractului: Produse

Clasificarea principală (cpv): 38970000 Simulator tehnic de cercetare, de testare și științific

Clasificare suplimentară (cpv): 38000000 Echipamente de laborator, optice și de precizie (cu excepția ochelarilor)

5.1.2. Locul de executare

Subdiviziunea țării (NUTS): Fyn (DK031)

Țara: Danemarca

5.1.4. Reînnoire

Numărul maxim de reînnoiri: 0

5.1.6. Informații generale

Proiect de achiziții publice nefinanțat din fonduri UE

Achiziția face obiectul Acordului privind achizițiile publice (AAP): da

5.1.10. Criterii de atribuire

Criteriu:

Tip: Calitate

Descriere: The requested cryogenic system must meet a unique combination of optical, cryogenic, vacuum, vibration, electrical, and future upgrade requirements that are essential for our research. Following a market assessment, only the proposed supplier was identified as capable of providing a fully integrated system meeting all mandatory specifications.

1. Product Specifications Required The system must provide:

- At least four lateral optical accesses and one top optical access.
- A large cryogenic sample volume of Ø250 mm cold plate × 250 mm height.
- Non-magnetic radiation shield with four horizontal and one vertical optical window.
- Three integrated 50 A high-current channels to the 4 K stage.
- Four thermally anchored coaxial lines for measurements up to 20 GHz.
- Four fibre-optic feedthroughs.
- 48 DC electrical connections at the 4 K cold plate.
- Base temperature ≤ 3.5 K with stability better than 50 mK.
- Cooling power of at least 250 mW at 4.2 K.
- Vibration levels below 30 nm peak-to-peak.
- Ultra-high vacuum better than 1×10^{-9} mbar.
- Remote cryocooler architecture with unrestricted 360° optical access.
- Future compatibility with a removable 4-1-1 vector magnet.
- Complete mobility of the cryostat on the optical table.

2. Why These Specifications Are Necessary

- Large 250 mm sample space: Required to accommodate complex optical setups, cryogenic positioners, electrical and fibre connections, and future magnet integration without redesigning the experimental platform.
- Ultra-high vacuum (UHV): Our experiments run continuously for several weeks. A vacuum level better than 1×10^{-9} mbar is essential to avoid contamination of samples and optical windows, ensuring stable measurement conditions and reproducible results over long measurement periods.
- Remote cryocooler and ultra-low vibration: Our experiments rely on interferometric and other vibration-sensitive optical measurements. The cryocooler must be physically separated from the optical table to minimise vibration and acoustic noise transmission, while maintaining the flexibility to move the cryostat when experimental configurations evolve.
- Extensive optical access: Four side windows and one top window are required to provide simultaneous laser excitation, imaging, collection optics, and future experimental configurations that cannot be accommodated by standard cryostat designs.
- Future magnet integration: The system must support straightforward integration of a 4-1-1 vector magnet and allow different magnet configurations to be installed or removed without major modifications to the cryostat.

3. Why There Is Only One Supplier

The selected supplier is the only identified manufacturer capable of providing all required features within one validated and integrated platform. In particular, the supplier uniquely combines:

- A Ø250 mm × 250 mm cryogenic sample space.
- UHV performance ($<10^{-9}$ mbar) suitable for multi-week experiments.
- A remote cryocooler architecture delivering very low vibration while preserving cryostat mobility.
- Unobstructed 360° optical access with multiple optical ports.
- Integrated high-current, RF, fibre-optic, and DC measurement infrastructure.
- A design specifically prepared for future vector magnet integration and compatibility with different magnet configurations.
- Cryogenic positioners and cryostat supplied by the same manufacturer, ensuring full mechanical, thermal, electrical, and software compatibility while eliminating integration risks.

Although alternative suppliers may offer some individual features,

no other supplier was found that can simultaneously provide the required UHV performance, large sample volume, remote low-vibration architecture, extensive optical access, future magnet flexibility, and fully integrated cryogenic positioning system. We have nonetheless ensured that the terms of acquisition reflect sound financial judgment and serve the best interests of SDU and Danish taxpayers. Based on the market coverage, there is only one supplier who can deliver the desired equipment.

Categorie a criteriului de atribuire greutate: Ponderare (puncte, valoare exactă)

Număr legat de criteriul de atribuire: 100

5.1.15. Aspecte tehnice

Acord-cadru:

Niciun acord-cadru

Informații despre sistemul dinamic de achiziții:

Nu există un sistem dinamic de achiziție

5.1.16. Informații suplimentare, mediere și căi de atac

Organizația responsabilă cu căile de atac: Klagenævnet for Udbud

Informații privind termenele-limită pentru reexaminare: I henhold til lov om Klagenævnet for Udbud gælder følgende frist for indgivelse af klage: Klage over ikke at være blevet prækvalificeret skal være indgivet til Klagenævnet for Udbud inden 20 kalenderdage fra dagen efter afsendelse af en underretning til de berørte ansøgere om, hvem der er blevet udvalgt, jf. udbudslovens § 171, stk. 2, eller klagenævnslovens § 2, stk. 1, nr. 1, når underretningen er ledsaget af en begrundelse for beslutningen. I andre situationer skal klage over udbud være indgivet til Klagenævnet for Udbud inden: 1) 45 kalenderdage efter, at ordregiveren har offentliggjort en bekendtgørelse i Den Europæiske Unions Tidende om, at ordregiveren har indgået en kontrakt. Fristen regnes fra dagen efter den dag, hvor bekendtgørelsen er blevet offentliggjort. 2) 30 kalenderdage regnet fra dagen efter den dag, hvor ordregiveren har underrettet de berørte tilbudsgivere om, at en kontrakt baseret på en rammeaftale med genåbning af konkurrencen eller et dynamisk indkøbssystem er indgået, hvis underretningen har angivet en begrundelse for beslutningen. 3) seks måneder efter, at ordregiveren har indgået en rammeaftale, regnet fra dagen efter den dag, hvor ordregiveren har underrettet de berørte ansøgere og tilbudsgivere, jf. klagenævnslovens § 2, stk. 2, eller udbudslovens § 171, stk. 4. 4) 20 kalenderdage regnet fra dagen efter, at ordregiveren har meddelt sin beslutning, jf. udbudslovens § 185, stk. 2. Senest samtidig med at en klage indgives til Klagenævnet for Udbud, skal klageren skriftligt underrette ordregiveren om, at en klage indgives til Klagenævnet for Udbud, og om, hvorvidt klagen er indgivet i standstill-perioden, jf. klagenævnslovens § 6, stk. 4. I tilfælde, hvor klagen ikke er indgivet i standstill-perioden, skal klageren tillige angive, hvorvidt der begæres opsættende virkning af klagen, jf. klagenævnslovens § 12, stk. 1.

Organizația care furnizează informații suplimentare cu privire la procedura de achiziții:

Syddansk Universitet

Organizația care furnizează mai multe informații cu privire la căile de atac: Konkurrence- og Forbrugerstyrelsen

6. Rezultate

Valoarea tuturor contractelor atribuite în această notificare: 3 319 273,00 DKK

Atribuire directă:

Justificarea atribuirii directe: Contractul poate fi furnizat numai de un anumit operator economic, din cauza absenței concurenței din motive tehnice

Altă justificare: The requested cryogenic system must meet a unique combination of optical, cryogenic, vacuum, vibration, electrical, and future upgrade requirements that are essential for our research. Following a market assessment, only the proposed supplier was identified as capable of providing a fully integrated system meeting all mandatory specifications.

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6.1. Rezultate: identificator lot: LOT-0000

Statutul selecției câștigătorului: A fost selecționat cel puțin un câștigător.

6.1.2. Informații despre câștigători

Câștigător:

Denumire oficială: Qnity SAS

Ofertă:

Identificatorul ofertei: 132295

Identificatorul lotului sau al grupului de loturi: LOT-0000

Valoarea licitației: 3 319 273,00 DKK

Subcontractare: Nu

Informații referitoare la contract:

Identificatorul contractului: 132295

Titlu: Low vibration, high vacuum cryostat, with vector magnet for SDU / Qnity SAS

Data la care a fost ales câștigătorul: 11/08/2026

Data încheierii contractului: 07/09/2026

6.1.4. Informații statistice**Oferte/ cereri de participare primite:**

Tip de oferte primite: Oferte

Număr de oferte/cereri de participare primite: 1

Tip de oferte primite: Oferte de la ofertanți cu dimensiuni micro, mici sau mijlocii

Număr de oferte/cereri de participare primite: 1

Tip de oferte primite: Oferte depuse de ofertanți înregistrați în țări din afara Spațiului Economic European

Număr de oferte/cereri de participare primite: 0

Tip de oferte primite: Oferte depuse pe cale electronică

Număr de oferte/cereri de participare primite: 1

Tip de oferte primite: Oferte depuse de ofertanți înregistrați în alte țări din Spațiul Economic European decât țara cumpărătorului

Număr de oferte/cereri de participare primite: 1

8. Organizații

8.1. ORG-0001

Denumire oficială: Syddansk Universitet

Număr de înregistrare: 29283958

Adresă poștală: Campusvej 55

Localitate: Odense M

Cod poștal: 5230

Subdiviziunea țării (NUTS): Fyn (DK031)

Țara: Danemarca

Punct de contact: Christina From-Nielsen

E-mail: cfro@sdu.dk

Telefon: 65509484

Adresa de internet: <https://www.sdu.dk/>

Rolurile acestei organizații:

Cumpărător

Organizația care furnizează informații suplimentare cu privire la procedura de achiziții

8.1. ORG-1000

Denumire oficială: Comdia ApS

Număr de înregistrare: 33501404

Adresă poștală: Lindvedvej 71

Localitate: Odense S
Cod poștal: 5260
Subdiviziunea țării (NUTS): Fyn (DK031)
Țara: Danemarca
E-mail: support@comdia.com
Telefon: +45 7199 3672
Adresa de internet: <https://www.comdia.com/>

Rolurile acestei organizații:

TED eSender

8.1. ORG-1001

Denumire oficială: Klagenævnet for Udbud
Număr de înregistrare: 37795526
Adresă poștală: Nævnenes Hus, Toldboden 2
Localitate: Viborg
Cod poștal: 8800
Subdiviziunea țării (NUTS): Vestjylland (DK041)
Țara: Danemarca
E-mail: klfu@naevneneshus.dk
Telefon: +45 7240 5600
Adresa de internet: <http://www.klfu.dk>

Rolurile acestei organizații:

Organizația responsabilă cu căile de atac

8.1. ORG-1002

Denumire oficială: Konkurrence- og Forbrugerstyrelsen
Număr de înregistrare: 10294819
Adresă poștală: Carl Jacobsens Vej 35
Localitate: Valby
Cod poștal: 2500
Subdiviziunea țării (NUTS): Københavns omegn (DK012)
Țara: Danemarca
E-mail: kfst@kfst.dk
Telefon: +45 4171 5000
Adresa de internet: <https://www.kfst.dk/>

Rolurile acestei organizații:

Organizația care furnizează mai multe informații cu privire la căile de atac

8.1. ORG-0002

Denumire oficială: Qnity SAS
Dimensiunea operatorului economic: Medie
Număr de înregistrare: FR15939451985
Adresă poștală: 42 BIS RUE THEODORE DE BANVILLE
Localitate: PALAISEAU
Cod poștal: 91120
Subdiviziunea țării (NUTS): Essonne (FR104)
Țara: Franța
E-mail: caby@qnity.io
Telefon: +33667770474
Adresa de internet: <https://qnity.io>

Rolurile acestei organizații:

Informații privind anunțul

Identificatorul versiunea anunțului: 048492d6-e305-46b0-879a-c9be10911af9 - 01

Tip de formular: Rezultat

Tip de anunț: Anunț de atribuire a contractului sau a concesiunii - regim standard

Subtipul anunțului: 29

Data notificării expedierii: 07/09/2026 13:49:03 (UTC+02:00) ora Europei de Est, ora de vară a Europei Centrale

Limbile în care acest anunț este disponibil oficial: daneză

Numărul de publicare al anunțului: 616391-2026

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