1. Buyer

1.1 Buyer

Official name:	Stichting Nederlandse Wetenschappelijk Onderzoek Instituten (NWO-I)
Legal type of the buyer:	Body governed by public law
Activity of the contracting authority:	Education

2. Procedure

2.1 Procedure

Title:	Cryogen free dilution refrigerator
Description:	NWO institute SRON wishes to purchase a cryogen free dilution refrigerator for the study and development of superconducting energy-resolving single-photon detectors (MKIDs). The system will be used in the context of a new project to develop the most sensitive MKIDs for exoplanet spectroscopy at visible to near-infrared wavelengths, and demonstrate them at a scale of ten-thousands of pixels. To that end, optical access to the cryostat from outside is required to characterise the detectors. The aim is to demonstrate the detectors at a scale that requires readout with at least 16 coaxial lines. To keep operational costs low, the system should be cryogen free, i.e. not require liquid Helium for operation. Since the detectors include thin membranes, we have particular requirements on the vibration isolation. The system will be primarily used by PhD students and postdocs, and should offer fully automated cryogenic operation, but at the same time allow full manual control and custom 1 Cryogen free dilution refrigerator
Procedure identifier:	170c63ab-d6c4-47d7-bd1b-c7788d901105
Type of procedure:	Open
The procedure is accelerated:	no

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:	Leiden

2.1.3 Value

Estimated value excluding VAT:	375 000 Euro

2.1.4 General information

Legal basis:

Directive 2014/24/EU

5. Lot

5.1 Lot technical ID: LOT-0000

Title:	Cryogen free dilution refrigerator

Rijksoverheid

Description:	NWO institute SRON wishes to purchase a cryogen free dilution refrigerator for the study and development of superconducting energy-resolving single-photon detectors (MKIDs). The system will be used in the context of a new project to develop the most sensitive MKIDs for exoplanet spectroscopy at visible to near-infrared wavelengths, and demonstrate them at a scale of ten-thousands of pixels. To that end, optical access to the cryostat from outside is required to characterise the detectors. The aim is to demonstrate the detectors at a scale that requires readout with at least 16 coaxial lines. To keep operational costs low, the system should be cryogen free, i.e. not require liquid Helium for operation. Since the detectors include thin membranes, we have particular requirements on the vibration isolation. The system will be primarily used by PhD students and postdocs, and should offer fully automated cryogenic operation, but at the same time allow full manual control and custom 1 Cryogen free dilution refrigerator
Internal identifier:	1

5.1.1 Purpose

Main nature of the contract :	Supplies
Main classification (cpv):	38000000 Laboratory, optical and precision equipments (excl. glasses)
Options:	
Description of the options:	The Contracting Authority has defined several optional requirements, see Annex E Schedule of Requirements. The ability to fulfil optional requirements will be taken into account in the award criteria as specified in Annex D Quality Criteria Form and Annex E Schedule of Requirements. As such the optional requirements are part of the Tender and of the final contract. The Tenderer indicates his ability to fulfil the optional requirement and specifies a price for each option in Annex C Price Sheet. The Contracting Authority reserves the right for each option to choose whether or not to include it in the contract. If the Tenderer cannot deliver one of the options, no price for that option should be specified. The price for the optional requirements will not be part of determining the comparison price for this Tender.

5.1.2 Place of performance

Country:	Netherlands
Anywhere in the given country	
Additional information:	Leiden

5.1.3 Estimated duration

Duration:	9 Month

5.1.6 General information

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:	No strategic procurement

5.1.10 Award criteria

Criterion:	
Type:	Price

Rijksoverheid

Name:	Adapted Value
Description:	The contract will be awarded according to the Adapted Value method, which is reflected in the lowest price per quality point. The contract will be awarded to the tenderer with the lowest price per quality point. The price per quality point is calculated by dividing the total tender price ex VAT as specified in Annex C Price Sheet, by the total score on quality.
Category of award threshold criterion:	Weight (points, 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:	Stichting Nederlandse Wetenschappelijk Onderzoek Instituten (NWO-I) - Rechtbank Den Haag
Organisation providing additional information about the procurement procedure:	Stichting Nederlandse Wetenschappelijk Onderzoek Instituten (NWO-I)
Organisation providing more information on the review procedures:	Stichting Nederlandse Wetenschappelijk Onderzoek Instituten (NWO-I)
Organisation signing the contract:	Stichting Nederlandse Wetenschappelijk Onderzoek Instituten (NWO-I)

6. Results

Value of all contracts awarded in this notice:	606 921,4 Euro

6.1 Result lot Identifier: LOT-0000

At least one winner was chosen.

6.1.2 Information about winners

Winner:

Official name:	BlueFors Cryogenics Oy

Tender:

Tender identifier:	1
Identifier of lot or group of	LOT-0000

Rijksoverheid

lots:	
Value of the tender:	606 921,4 Euro
The tender was ranked:	no
The tender is a variant:	no
Subcontracting :	No
Contract information:	
Identifier of the contract:	CON-0001
Title:	P1 Cryogen free dilution refrigerator
Date of the conclusion of the contract:	19/11/2026
Organisation signing the contract:	Stichting Nederlandse Wetenschappelijk Onderzoek Instituten (NWO-I)

6.1.4 Statistical information

Received tenders or requests to participate:	
Type of received submissions:	Tenders submitted electronically
Number of tenders or requests to participate received:	2
Type of received submissions:	Tenders from micro, small or medium tenderers
Number of tenders or requests to participate received:	1
Type of received submissions:	Tenders
Number of tenders or requests to participate received:	2

8. Organisations

8.1 ORG-0001

Official name:	Stichting Nederlandse Wetenschappelijk Onderzoek Instituten (NWO-I)
Registration number:	111590197
Department:	SRON

Rijksoverheid

Postal address:	Niels Bohrweg 4
Town:	Leiden
Postcode:	2333 CA
Country subdivision (NUTS):	Agglomeratie Leiden en Bollenstreek (NL363)
Country:	Netherlands
Contact point:	Freek Zijlstra
Email:	f.zijlstra@nwo.nl
Telephone:	+31 306001255
Internet address:	http://www.sron.nl

Other contact points:

Official name:	Rechtbank Den Haag
Town:	Den Haag
Postcode:	2595 AJ
Country subdivision (NUTS):	Agglomeratie 's-Gravenhage (NL361)
Country:	Netherlands
Email:	voorlichting.rb.den.haag@rechtspraak.nl
Internet address:	https://www.rechtspraak.nl/Organisatie-en-contact/Organisatie/Rechtbanken/Rechtbank-Den-Haag/Contact#b542d574-4c57-4d59-96de-53a745e131250

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

Review organisation

Organisation providing more information on the review procedures

Organisation signing the contract

8.1 ORG-0002

Official name:	BlueFors Cryogenics Oy
Size of the economic operator:	Micro, small, or medium
Registration number:	FI21832199
Postal address:	Arinatie 10
Town:	Helsinki
Postcode:	00370
Country subdivision (NUTS):	Helsinki-Uusimaa (FI1B1)
Country:	Finland
Internet address:	http://www.bluefors.com

Roles of this organisation:

Tenderer

Rijksoverheid

Winner of these lots:	LOT-0000

Notice information

Notice identifier /version:	4bab17a3-16a5-4906-b30f-cdb18e23da9c - 01
Form type:	Result
Notice type:	Contract or concession award notice – standard regime
Notice dispatch date:	24/11/2026 08:53 +01:00
Languages in which this notice is officially available:	English

Rijksoverheid