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:	Cryogenic ion trap mass spectrometer for infrared laser spectroscopy for HFML-FELIX
Description:	The HFML-FELIX institute houses an international user facility hosting a series of infrared free-electron lasers (FELs) that are available for experiments to both local and visiting (inter)national scientists. The lasers cover the infrared region from 2.8 – 150 µm with macropulse energies > 100 mJ (10 µs pulses @ 10 Hz). A major application of the FELs involves infrared ion spectroscopy, where vibrational spectra are obtained for the ionized molecules inside a mass spectrometer with the aim to elucidate their chemical structure. For this purpose, a high-resolution and high-sensitivity cryogenic ion trap mass spectrometer (MS) is required that will meet the diverse requirements of high sensitivity in analytical applications, high resolution in MS analysis, ion storage at cryogenic temperature leading to high spectral resolution in the IR spectra, and optical access to the ions in the cryogenic trap by the high pulse energies of the FELs. 1x Cryogenic ion trap mass spectrometer
Procedure identifier:	8eb511ad-5397-4a1f-a231-b04d523e5dff
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 subdivision (NUTS):	Arnhem/Nijmegen (NL226)
Country:	Netherlands
Additional information:	Nijmegen

2.1.4 General information

Legal basis:

Directive 2014/24/EU

5. Lot

5.1 Lot technical ID: LOT-0000

Title:	Cryogenic ion trap mass spectrometer for infrared laser spectroscopy for HFML-FELIX
Description:	The HFML-FELIX institute houses an international user facility hosting a series of infrared free-electron lasers (FELs) that are available for experiments to both local and visiting (inter)national scientists. The lasers cover the infrared region from 2.8 – 150 µm with macropulse energies > 100 mJ (10 µs pulses @ 10 Hz). A major application of the FELs involves infrared ion spectroscopy, where vibrational spectra are obtained for the ionized molecules inside a mass spectrometer with the aim to elucidate their chemical structure. For this purpose, a high-resolution and high-sensitivity cryogenic ion trap mass spectrometer (MS) is required

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	that will meet the diverse requirements of high sensitivity in analytical applications, high resolution in MS analysis, ion storage at cryogenic temperature leading to high spectral resolution in the IR spectra, and optical access to the ions in the cryogenic trap by the high pulse energies of the FELs. 1x Cryogenic ion trap mass spectrometer
Internal identifier:	1

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 subdivision (NUTS):	Arnhem/Nijmegen (NL226)
Country:	Netherlands
Additional information:	Nijmegen

5.1.3 Estimated duration

Duration:	3 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
Name:	Laagste prijs
Description:	-
Category of award threshold criterion:	Weight (points, exact)
Award criterion number:	0

5.1.15 Techniques

Framework agreement:

No framework agreement

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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 Midden-Nederland
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:	700 000 Euro
Direct award:	
Justification for direct award:	Specific exclusions for service contracts
Other justification:	A market survey has been carried out for high resolution and high sensitivity ion trap mass spectrometers combined with cryogenic ion trapping capabilities, fulfilling the specific requirements. This market assessment showed that several suppliers can provide high resolution and high sensitivity ion trap mass spectrometers. However, the complete combination of requirements, most importantly the incorporation of a cryogenic ion trap and optical laser access, which is essential for the operation in combination with the FELs and to achieve the desired high spectral resolution compared to room temperature devices, is only met by the Cryo-Photo-Synapt system provided by MS Vision. MS Vision has already delivered a similar device, a modification and upgrade of a Waters Synapt system with a cryo trap and cooler, for academic usage, and will develop in collaboration with HFML-FELIX a version operating at even lower temperatures, based on their previous experience. No other commercial cryogenic ion trap mass spectrometers are on the market.

6.1 Result lot Identifier: LOT-0000

6.1.2 Information about winners

Winner:	
Official name:	Spectrometry Vision B.V.
Tender:	
Tender identifier:	1
Identifier of lot or group of lots:	LOT-0000
Value of the	

Rijksoverheid

tender:	700 000 Euro
The tender was ranked:	no
Subcontracting :	No

Contract information:

Identifier of the contract:	CON-0001
Title:	P1 Cryogenic ion trap mass spectrometer for infrared laser spectroscopy for HFML-FELIX
Organisation signing the contract:	Stichting Nederlandse Wetenschappelijk Onderzoek Instituten (NWO-I)

8. Organisations

8.1 ORG-0001

Official name:	Stichting Nederlandse Wetenschappelijk Onderzoek Instituten (NWO-I)
Registration number:	111590197
Department:	HFML-Felix
Postal address :	Toernooiveld 7
Town:	Nijmegen
Postcode:	6525 ED
Country subdivision (NUTS):	Arnhem/Nijmegen (NL226)
Country:	Netherlands
Contact point:	Freek Zijlstra
Email:	f.zijlstra@nwo.nl
Telephone:	+31 306001255
Internet address:	http://www.hfml-felix.nl

Other contact points:

Official name:	Rechtbank Midden-Nederland
Postal address :	Vrouwe Justitiaplein 1
Town:	Utrecht
Postcode:	3511 EX
Country subdivision (NUTS):	Utrecht (NL350)
Country:	Netherlands
Email:	Civiel.rb-mnl.utrecht@rechtspraak.nl
Telephone:	+31 883611740
Fax:	+31 883610480
Internet address:	http://www.rechtspraak.nl

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

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Review organisation

Organisation providing more information on the review procedures

Organisation signing the contract

8.1 ORG-0002

Official name:	Spectrometry Vision B.V.
Size of the economic operator:	Micro, small, or medium
Registration number:	39092487
Postal address :	Televisieweg 40
Town:	Almere
Postcode:	1322AM
Country subdivision (NUTS):	Groot-Amsterdam (NL32B)
Country:	Netherlands
Internet address:	http://www.msvision.eu

Roles of this organisation:

Tenderer

Winner of these lots:	LOT-0000

Notice information

Notice identifier /version:	bd9dc1d2-2698-4076-a2fb-f49aa57abb52 - 01
Form type:	Direct award preannouncement
Notice type:	Voluntary ex-ante transparency notice
Notice dispatch date:	22/07/2026 10:54 +02:00
Languages in which this notice is officially available:	English

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