1. Buyer

1.1 Buyer

Official name:	Universiteit van Amsterdam

2. Procedure

2.1 Procedure

Title:	Purchase of 2D mot system
Description:	This is a purchase for the atom interferometer group of Prof. Philippe Bouyer in Institute of Physics, University of Amsterdam. We aim to perform atom interferometer experiments on Rubidium atoms. To conduct these experiments, the University of Amsterdam is looking to purchase a 2D mot system. Based on the necessary technical and design requirements of our experiment we have come to the conclusion that the dual MOT system from Infleqtion is the only system that will serve our purpose. This system with its associated components will be purchased from Soliton.
Procedure identifier:	1d7a502c-2299-4299-bf8a-214bde5dfa40
Internal identifier:	3a956be8-47c8-44ec-adfd-1bf224949af0
Type of procedure:	Negotiated without prior call for competition

2.1.1 Purpose

Main nature of the contract :	Supplies
Main classification (cpv):	38400000 Instruments for checking physical characteristics
Additional classification (cpv):	38000000 Laboratory, optical and precision equipments (excl. glasses)
Additional classification (cpv):	38500000 Checking and testing apparatus
Additional classification (cpv):	38600000 Optical instruments

2.1.2 Place of performance

Postal address :	Universiteit van Amsterdam, locatie Science Park Science Park 904
Town:	Amsterdam
Postcode:	1098 XH
Country subdivision (NUTS):	Groot-Amsterdam (NL32B)
Country:	Netherlands
Additional information:	See documentation

2.1.4 General information

Additional information:	This voluntary ex ante notice is used to inform economic operators and to provide them with an opportunity to lodge any objections concerning our intention to award the contract to Soliton. Economic operators will have the opportunity, within a period of 20 days from the date of this notice, to lodge their objections via email. Please send an email to aanbestedingen@uva.nl before 9th January 2026 and mention 'Objections 2D Mot Soliton' in the subject line of your email. Any potential objections will be taken into

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consideration. If we do not receive any objections, we will follow the procedure as laid down in this notice, in which case you will lose the right to oppose the procedure.

Legal basis:

Directive 2014/24/EU

5. Lot

5.1 Lot technical ID: LOT-0000

Title:	Purchase of 2D mot system
Description:	This is a purchase for the atom interferometer group of Prof. Philippe Bouyer in Institute of Physics, University of Amsterdam. We aim to perform atom interferometer experiments on Rubidium atoms. To conduct these experiments, the University of Amsterdam is looking to purchase a 2D mot system. Based on the necessary technical and design requirements of our experiment we have come to the conclusion that the dual MOT system from Infleqtion is the only system that will serve our purpose. This system with its associated components will be purchased from Soliton.
Internal identifier:	730ec60b-f054-47b5-bbd4-e0f2f14be9f3

5.1.1 Purpose

Main nature of the contract :	Supplies
Main classification (cpv):	38400000 Instruments for checking physical characteristics
Additional classification (cpv):	38000000 Laboratory, optical and precision equipments (excl. glasses)
Additional classification (cpv):	38500000 Checking and testing apparatus
Additional classification (cpv):	38600000 Optical instruments

5.1.2 Place of performance

Postal address :	Universiteit van Amsterdam, locatie Science Park Science Park 904
Town:	Amsterdam
Postcode:	1098 XH
Country subdivision (NUTS):	Groot-Amsterdam (NL32B)
Country:	Netherlands
Additional information:	See documentation

5.1.6 General information

Procurement	Project not financed with EU Funds.
The procurement is covered by the Government	yes

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Procurement Agreement (GPA):	
Additional information:	This voluntary ex ante notice is used to inform economic operators and to provide them with an opportunity to lodge any objections concerning our intention to award the contract to Soliton. Economic operators will have the opportunity, within a period of 20 days from the date of this notice, to lodge their objections via email. Please send an email to aanbestedingen@uva.nl before 9th January 2026 and mention 'Objections 2D Mot Soliton' in the subject line of your email. Any potential objections will be taken into consideration. If we do not receive any objections, we will follow the procedure as laid down in this notice, in which case you will lose the right to oppose the procedure.

5.1.16 Further information, mediation and review

Review organisation:	Rechtbank van Amsterdam
Organisation providing additional information about the procurement procedure:	Universiteit van Amsterdam

6. Results

Value of all contracts awarded in this notice:	220 990 Euro
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:	A vacuum chamber is an essential part of a cold atom experiment. Basically every cold atom experiment require at the minimum a few key essential setups. An atomic source and a vacuum chamber (science cell) connected to the atomic source to manipulate the atoms with the force from lasers or with external fields such as magnetic field and electric field. Inside the science cell we can perform various laser cooling, trapping (such as MOT and molasses) and state selection steps to prepare the atoms in specific quantum states that will later be used for our specific experimental scheme. We are interested to perform atom interferometer experiments using this device. For our setup we need a system that satisfies the key requirements, eg: the source and the science cell. We need a good flux of atoms more than 1x 10^8 Rb atoms per second from the 2D MOT and a ultra high vacuum (UHV) of less than 1 n Torr in the science cell. In the science cell a MOT containing more than 5x10^8 atoms with a lifetime from 50s to 100s will be a key requirement to our atom interferometer experiment. In addition to these technical specifications we also have the physical constraints to make our experiment compact. Hence we want all these above specifications of the setup in a compact form factor so that it can be adapted to make a portable setup in the future. It is shown in numerous experiments across the globe that a 2D MOT is considered as a good source which provides a substantial control to maintain the high flux of atoms from the 2D MOT to the science cell and a good vacuum in the science cell with a relatively compact setup. Based on the necessary technical and design requirements of our experiment we have come to the conclusion that the dual MOT system from Infleqtion is the only system that will serve our purpose. This system with its associated components will be purchased from Soliton.

6.1 Result lot Identifier: LOT-0000

6.1.2 Information about winners

Winner:	
Official name:	Soliton Laser- und Messtechnik GmbH
Tender:	

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Tender identifier:	T189063
Identifier of lot or group of lots:	LOT-0000
Subcontracting :	No

Contract information:

Identifier of the contract:	T189063
Title:	Purchase of 2D mot system
Date on which the winner was chosen:	17/12/2025

8. Organisations

8.1 ORG-0001

Official name:	Universiteit van Amsterdam
Registration number:	34370207
Postal address :	Spui 21
Town:	Amsterdam
Postcode:	1012WX
Country subdivision (NUTS):	Groot-Amsterdam (NL32B)
Country:	Netherlands
Contact point:	Anastasiia Kerst
Email:	a.j.dobrovolska@uva.nl
Telephone:	+31621886023
Buyer profile:	https://s2c.mercell.com/buyer/569

Roles of this organisation:

Buyer

Organisation providing additional information about the procurement procedure

8.1 ORG-0002

Official name:	Rechtbank van Amsterdam
Registration number:	82951462
Department:	Rechtzaken
Postal address :	Parnassusweg 280
Town:	Amsterdam
Postcode:	1076AV
Country subdivision (NUTS):	Groot-Amsterdam (NL32B)
Country:	Netherlands
Contact point:	Rechtbank
Email:	postbureau.kanton.rb.amsterdam@rechtspraak.nl

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Telephone:	+31883617000
Fax:	+31883617000
Internet address:	https://www.rechtspraak.nl/Organisatie-en-contact/Organisatie/Rechtbanken/Rechtbank-Amsterdam

Roles of this organisation:

Review organisation

8.1 ORG-0003

Official name:	Soliton Laser- und Messtechnik GmbH
Size of the economic operator:	Medium
Registration number:	HRB 90662
Postal address :	Talhofstrasse 32
Town:	Gilching
Postcode:	82205
Country subdivision (NUTS):	Starnberg (DE21L)
Country:	Germany
Email:	info@soliton-gmbh.de
Telephone:	+49810577920
Internet address:	https://www.soliton-gmbh.de

Roles of this organisation:

Tenderer

Winner of these lots: LOT-0000

Notice information

Notice identifier /version:	354fd98b-c36b-451d-8d05-4f16793f8d5e - 01
Form type:	Direct award preannouncement
Notice type:	Voluntary ex-ante transparency notice
Notice dispatch date:	17/12/2025 12:06 +00:00
Notice dispatch date (eSender):	17/12/2025 12:08 +00:00
Languages in which this notice is officially available:	English

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