1. Buyer

1.1 Buyer

Official name :	Technische Universiteit Delft

2. Procedure

2.1 Procedure

Title:	Metal Organic Chemical Vapor Deposition (MOCVD)
Description:	The contract concerns the supply, installation, testing (FAT/SAT), and commissioning of a Metal Organic Chemical Vapor Deposition (MOCVD) system for research purposes within the SAP-NL (National Scalable Atomic Processing Line) infrastructure. The system will be used for the controlled deposition of (Al)GaN and multiple 2D materials at atomic scale, supporting research into energy-efficient semiconductors, quantum technologies, and advanced communication systems. The system must be integrated into a contamination-controlled cleanroom environment and meet a comprehensive set of technical and functional requirements which can be found in uploaded document.
Procedure identifier:	2b0967fe-cf52-49da-9be7-fbaa986142ec
Internal identifier:	5b0555bd-200c-4b3b-b4bb-632b588171fa
Type of procedure:	Negotiated without prior call for competition

2.1.1 Purpose

Main nature of the contract:	Supplies
Main classification (cpv):	38970000 Research, testing and scientific technical simulator
Additional classification (cpv):	31720000 Electromechanical equipment
Additional classification (cpv):	38900000 Miscellaneous evaluation or testing instruments
Additional classification (cpv):	51430000 Installation services of laboratory equipment

2.1.2 Place of performance

Postal address:	Stevinweg 1
Town:	Delft
Postcode:	2628CN
Country subdivision (NUTS):	Delft en Westland (NL362)
Country:	Netherlands
Additional information:	Zie documentatie

2.1.4 General information

Legal basis:

Directive 2014/24/EU

Rijksoverheid

5. Lot

5.1 Lot technical ID: LOT-0000

Title:	Metal Organic Chemical Vapor Deposition (MOCVD)
Description:	The contract concerns the supply, installation, testing (FAT/SAT), and commissioning of a Metal Organic Chemical Vapor Deposition (MOCVD) system for research purposes within the SAP-NL (National Scalable Atomic Processing Line) infrastructure. The system will be used for the controlled deposition of (Al)GaN and multiple 2D materials at atomic scale, supporting research into energy-efficient semiconductors, quantum technologies, and advanced communication systems. The system must be integrated into a contamination-controlled cleanroom environment and meet a comprehensive set of technical and functional requirements which can be found in uploaded document.
Internal identifier:	a01dcf70-cea4-4f97-911c-1b921236937d

5.1.1 Purpose

Main nature of the contract:	Supplies
Main classification (cpv):	38970000 Research, testing and scientific technical simulator
Additional classification (cpv):	31720000 Electromechanical equipment
Additional classification (cpv):	38900000 Miscellaneous evaluation or testing instruments
Additional classification (cpv):	51430000 Installation services of laboratory equipment

5.1.2 Place of performance

Postal address:	Stevinweg 1
Town:	Delft
Postcode:	2628CN
Country subdivision (NUTS):	Delft en Westland (NL362)
Country:	Netherlands
Additional information:	Zie documentatie

5.1.6 General information

Procurement	Project fully or partially financed with EU Funds.
The procurement is covered by the Government Procurement Agreement (GPA):	yes

5.1.16 Further information, mediation and review

Review

Rijksoverheid

organisation:	Rechtbank Den Haag

6. Results

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:	The use of this procedure is justified on the grounds that the contract can be performed only by a particular economic operator due to technical reasons. A comprehensive technical analysis and market investigation have been carried out. Based on this assessment, it has been established that: • the required combination of process capabilities, materials, and performance levels is highly specialized; • only one supplier is demonstrably capable of meeting the full set of mandatory technical requirements; • alternative suppliers do not provide systems that meet the combined requirements, particularly regarding: o availability of validated process recipes for multiple 2D materials; o proven performance through publications and references; o reactor capabilities meeting temperature, scalability, and integration requirements. Furthermore: • no reasonable alternative or substitute exists that would achieve the same research objectives; • any alternative solution would result in significant functional limitations and would not meet the intended research goals. The assessment is based on the combined set of requirements as a whole, and not on individual requirements considered in isolation. The absence of competition is therefore not the result of an artificial narrowing of the procurement conditions, but follows objectively from the technical requirements and the highly specialized nature of the system. This conclusion is supported by documented market consultation and technical comparison of relevant suppliers in the MOCVD market.

6.1 Result lot Identifier: LOT-0000

6.1.2 Information about winners

Winner:	
Official name :	Aixtron SE
Tender:	
Tender identifier:	11893
Identifier of lot or group of lots:	LOT-0000
Contract information:	
Identifier of the contract:	11893

8. Organisations

8.1 ORG-0001

Official name :	Technische Universiteit Delft
Registration number:	27364265
Postal address:	Stevinweg 1 5e etage
Town:	Delft
Postcode:	2628CN
Country subdivision (NUTS):	Delft en Westland (NL362)
Country:	Netherlands
Contact point :	Dério Ramos

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Email:	D.PiresRamos@tudelft.nl
Telephone:	+31 628743095
Internet address:	https://www.tudelft.nl
Buyer profile :	https://s2c.mercell.com/buyer/7487
Roles of this organisation:	
Buyer	

8.1 ORG-0002

Official name :	Rechtbank Den Haag
Registration number:	82946175
Postal address:	Prins Clauslaan 60
Town:	Den Haag
Postcode:	2595 AJ
Country subdivision (NUTS):	Agglomeratie 's-Gravenhage (NL361)
Country:	Netherlands
Contact point :	n.v.t.
Email:	rb.denhaag@rechtspraak.nl
Telephone:	+310883622200
Roles of this organisation:	
Review organisation	

8.1 ORG-0003

Official name :	Aixtron SE
Postal address:	Dornkaulstr. 2
Town:	Herzogenrath
Postcode:	52134
Country subdivision (NUTS):	Hamm, Kreisfreie Stadt (DEA54)
Country:	Germany
Roles of this organisation:	
Tenderer	
Winner of these lots:	LOT-0000

Notice information

Notice identifier /version:	85be394e-95cc-4299-8f22-c2ffe151be41 - 01
Form type:	Direct award preannouncement
Notice type:	Voluntary ex-ante transparency notice
Notice	

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dispatch date :	19/06/2026 12:22 +00:00
Notice dispatch date (eSender):	19/06/2026 12:22 +00:00
Languages in which this notice is officially available:	English

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