

## 426280-2026 - Direct award preannouncement

Netherlands – Research, testing and scientific technical simulator – Metal Organic Chemical Vapor Deposition (MOCVD)

OJ S 118/2026 22/06/2026

Voluntary ex-ante transparency notice

Supplies

### 1. Buyer

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#### 1.1. Buyer

Official name: Technische Universiteit Delft

Email: [D.PiresRamos@tudelft.nl](mailto:D.PiresRamos@tudelft.nl)

### 2. Procedure

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#### 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, 38900000

Miscellaneous evaluation or testing instruments, 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

### 5. Lot

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## 5.1. Lot: 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, 38900000

Miscellaneous evaluation or testing instruments, 51430000 Installation services of laboratory equipment

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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 organisation: Rechtbank Den Haag

## 6. Results

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### Direct award

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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

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### 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

Email: [D.PiresRamos@tudelft.nl](mailto: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](mailto: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**

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Notice identifier/version: 85be394e-95cc-4299-8f22-c2ffe151be41 - 01

Form type: Direct award preannouncement

Notice type: Voluntary ex-ante transparency notice

Notice subtype: 25

Notice dispatch date: 19/06/2026 12:22:14 (UTC+00:00) Western European Time, GMT

Notice dispatch date (eSender): 19/06/2026 12:22:35 (UTC+00:00) Western European Time, GMT

Languages in which this notice is officially available: English

Notice publication number: 426280-2026

OJ S issue number: 118/2026

Publication date: 22/06/2026