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Award

## **Atamis test 2**

Universiteit Leiden

F15: Voluntary ex ante transparency notice

Notice identifier: 2019/S 000-000371

Procurement identifier (OCID): ocds-h6vhtk-003074-integration

Published 26 February 2019, 4:48pm

## **Section I: Contracting authority/entity**

### **I.1) Name and addresses**

Universiteit Leiden

Kolffpad 1

Leiden

2333 BN

### **Contact**

Govert Schipperheijn

### **Email**

[inkoop@ufb.leidenuniv.nl](mailto:inkoop@ufb.leidenuniv.nl)

### **Telephone**

+31 715273304

**Country**

Netherlands

**NUTS code**

NL - NETHERLANDS

**National registration number**

151539485

**Internet address(es)**

Main address

<http://www.leidenuniv.nl>

**I.4) Type of the contracting authority**

Body governed by public law

**I.5) Main activity**

Other activity

Onderwijs en Onderzoek

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## **Section II: Object**

### **II.1) Scope of the procurement**

#### **II.1.1) Title**

Atamis test 2

#### **II.1.2) Main CPV code**

- 38514200 - Scanning probe microscopes
  - FG11 - For scientific purposes

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

Development and delivery of a special Low-Temperature Scanning Tunneling Microscope.

#### **II.1.6) Information about lots**

This contract is divided into lots: No

#### **II.1.7) Total value of the procurement (excluding VAT)**

Value excluding VAT: 329,260 EUR

### **II.2) Description**

#### **II.2.3) Place of performance**

NUTS codes

- NL - NETHERLANDS

Main site or place of performance

Leiden.

#### **II.2.4) Description of the procurement**

Development and delivery of a low-temperature STM in 2 phases: design phase and production phase.

### **II.2.5) Award criteria**

Price

### **II.2.11) Information about options**

Options: No

### **II.2.13) Information about European Union Funds**

The procurement is related to a project and/or programme financed by European Union funds: No

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## **Section IV. Procedure**

### **IV.1) Description**

#### **IV.1.1) Type of procedure**

Negotiated without a prior call for competition

- The works, supplies or services can be provided only by a particular economic operator for the following reason:
  - absence of competition for technical reasons

Explanation:

The Leiden institute of physics (LION), part of the University Leiden, is announcing its intended decision to hand the development of a transfer system, vibration isolation system and scanning probe microscope (STM) inside an existing Leiden cryogenics dry dilution refrigerator equipped with a nuclear demagnetization stage and probe transfer system. The development will take place with close collaboration with the scientific personnel of the institute as it requires an update of existing research infrastructure that is in continuous use for fundamental scientific research.

General requirements on the solution that needs to be developed are:

- All developed systems must be compatible with, work with and fit within the existing dilution refrigerator.
- The STM needs to be transferred from room-temperature to the low-temperature stage while other STM's already inside the machine remain at operable conditions.
- The STM must be able to cleave samples at a temperature below 5 Kelvin and achieve atomic resolution spectroscopy on the freshly cleaved sample.
- Attenuation of vibration is needed in all 3 dimensions and should have at least 10dB at 10Hz.
- The power dissipation of the vibration isolation system should be below 10 Micro watts when in full operation.
- The fact that the developed solutions will need to be UHV compatible in the near future should be taken deeply in consideration.
- The functional and technical design of the solution should be fully disclosed to LION during and after development.

During the spring and early summer 2017 LION approached several companies with the question if they were willing to participate in the development as described above. Amongst those companies were: Createc Germany; Bluefors, Finland; Baarle Wetenschappelijke Instrumentatie, the Netherlands; Leiden Cryogenics, the Netherlands; Oxford Instruments, United Kingdom; Omikron, Germany and Unisoku, Germany. Only one supplier was willing to engage in the development trajectory of the transfer system, vibration isolation system and scanning probe microscope under the conditions as stated above.

#### **IV.1.8) Information about the Government Procurement Agreement (GPA)**

The procurement is covered by the Government Procurement Agreement: Yes

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## **Section V. Award of contract/concession**

### **Contract No**

1

### **Title**

Low Temperature STM

A contract/lot is awarded: Yes

## **V.2) Award of contract/concession**

### **V.2.1) Date of conclusion of the contract**

27 February 2018

### **V.2.2) Information about tenders**

The contract has been awarded to a group of economic operators: No

### **V.2.3) Name and address of the contractor/concessionaire**

BWI bv

Zwanenzijde 20

Leiden

2317 XC

Country

Netherlands

NUTS code

- NL - NETHERLANDS

National registration number

60721154

The contractor/concessionaire is an SME

Yes

### **V.2.4) Information on value of contract/lot/concession (excluding VAT)**

Total value of the contract/lot/concession: 329,260 EUR

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## **Section VI. Complementary information**

### **VI.3) Additional information**

This publication is done to indicate our intent to award the contract. Representations can be made within 20 days after publication of intent. If no representations are received, we will award the contract.

### **VI.4) Procedures for review**

#### **VI.4.1) Review body**

Rechtbank Den Haag

Prins Clauslaan 60

's-Gravenhage

2595 AJ

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