

## **VOLUNTARY EX ANTE TRANSPARENCY NOTICE**

### **Supplies**

Directive 2014/24/EU

#### **SECTION I: CONTRACTING AUTHORITY/ENTITY**

##### **I.1) NAME AND ADDRESSES**

Official name:

Universiteit Leiden

National ID:

27368929

Postal address:

Postbus 905

Town:

Leiden

NUTS code:

NL

Postal code:

2300 AX

Country:

NL

Contact person:

Universiteit Leiden

Telephone:

+31 715273304

E-mail:

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

Fax:

-

##### **Internet address(es)**

Main address:

<https://www.universiteitleiden.nl/>

Address of the buyer profile:

<https://platform.negometrix.com/PublishedTenders.aspx?tenderid=177017>

##### **I.4) TYPE OF THE CONTRACTING AUTHORITY**

Body governed by public law

##### **I.5) MAIN ACTIVITY**

Other activity: Scientific research and higher education

## SECTION II: OBJECT

### **II.1) SCOPE OF THE PROCUREMENT**

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

NAP-XPS analyzer

Reference number: -

#### **II.1.2) CPV code(s)**

Main code:

38000000 - Laboratoriuminstrumenten, optische en precisie-instrumenten (uitgezonderd brillen)

Supplementary code:

-

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

Supplies

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

The Leiden Institute of Chemistry seeks to purchase a highly innovative NAP-XPS analyzer.

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

This contract is divided into lots: no

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

Value: 244 066,00

Currency: EUR

### **II.2) DESCRIPTION**

#### **II.2.1) Title**

-

Lot No: -

## **II.2.2) Additional CPV code(s)**

Main code:

38430000 - Detectie- en analyseapparatuur

Supplementary code:

-

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

NUTS code:

NL NEDERLAND

Main site or place of performance:

Leiden

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

(nature and quantity of works, supplies or services or indication of needs and requirements)

The Leiden Institute of Chemistry seeks to purchase a highly innovative NAP-XPS analyzer. Because there is only one analyzer suitable for the research, Leiden University has used the negotiated procedure. This publication is to give advance notice of our intention to award the contract. Representations can be made within 20 days of this publication.

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

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## **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

## **II.2.14) Additional information:**

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## SECTION IV: PROCEDURE

### **IV.1) DESCRIPTION**

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

Negotiated procedure without prior publication

#### **IV.1.3) Information about framework agreement**

-

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

The procurement is covered by the Government Procurement Agreement: yes

### **IV.2) ADMINISTRATIVE INFORMATION**

#### **IV.2.1) Previous publication concerning this procedure**

Notice number in the OJ S: -

## SECTION V: AWARD OF CONTRACT / CONCESSION

**Contract No:** 1

**Lot No:** 1

**Title:** NAP-XPS Analyzer

### **V.2) AWARD OF CONTRACT / CONCESSION**

#### **V.2.1) Date of conclusion of the contract/concession award decision:**

04/05/2021

#### **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**

Official name:

SPECS GmbH

National ID:

-

Postal address:

-

Town:

Berlin

NUTS code:

DE

Postal code:

-

Country:

DE

Telephone:

-

E-mail:

-

Fax:

-

Internet address:

-

The contractor/concessionaire is an SME: no

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

Initial estimated total value of the contract/lot/concession:

244 066,00

04/05/2021

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Total value of the contract/lot/concession: 244 066,00

Currency: EUR

**V.2.5) Information about subcontracting**

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## SECTION VI: COMPLEMENTARY INFORMATION

### **VI.3) ADDITIONAL INFORMATION**

This publication is to give notice of our intention to award the contract. Representations can be made within 20 days of this publication.

### **VI.4) PROCEDURES FOR REVIEW**

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

Official name:

Rechtbank Den Haag

Postal address:

-

Town:

Den Haag

Postal code:

-

Country:

NL

E-mail:

-

Telephone:

-

Internet address:

-

Fax:

-

#### **VI.4.2) Body responsible for mediation procedures**

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#### **VI.4.3) Review procedure**

Precise information on deadline(s) for review procedures:

Within 20 days of this publication.

#### **VI.4.4) Service from which information about the review procedure may be obtained**

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## **VI.5) DATE OF DISPATCH OF THIS NOTICE**

04/05/2021



## ANNEX D1 – GENERAL PROCUREMENT: JUSTIFICATION FOR THE AWARD OF THE CONTRACT WITHOUT PRIOR PUBLICATION OF A CALL FOR COMPETITION IN THE OFFICIAL JOURNAL OF THE EUROPEAN UNION

### Directive 2014/24/EU

#### **D1.1) Justification for the choice of the negotiated procedure without prior publication of a call for competition in accordance with Article 32 of Directive 2014/24/EU**

The works, supplies or services can be provided only by a particular economic operator for the following reason:

- absence of competition for technical reasons

#### **D1.3) Explanation**

Please explain in a clear and comprehensive manner why the award of the contract without prior publication in the Official Journal of the European Union is lawful, by stating the relevant facts and, as appropriate, the conclusions of law in accordance with the directive: The Leiden Institute of Chemistry seeks to purchase a highly innovative NAP-XPS analyzer. Within the framework of Dr. Mom's NWO ECCM tenure track grant, a near-ambient-pressure X-ray photoelectron spectroscopy (NAP-XPS) set-up will be constructed. The primary purpose of the set-up is to study the chemical composition of catalysts during electrochemical reactions. This requires unique capabilities, that can only be realized by the combination of specialized commercial components and parts that are designed in-house by our fine-mechanical workshop. The most critical component that can be acquired commercially is the NAP-XPS electron analyzer. In this unique statement, we will show that only the SPECS Phoibos 150 NAP 1D-DLD electron analyzer suits our needs. X-ray photoelectron spectroscopy (XPS) is an extremely powerful tool to investigate the chemical composition of catalyst surfaces. To perform a measurement, an X-ray source is focused on the sample of interest, which liberates photoelectrons (see figure). These photoelectrons escape from the sample with characteristic energies, which give direct insight into the chemical composition of the sample. An electron analyzer is used to measure the characteristic photoelectron energies. For the operation of the electron analyzer, vacuum is required. This makes it challenging to study catalysts during electrochemical reactions, which occur in liquid electrolytes that would

evaporate in the vacuum environment. One step towards solving this, is to use a so-called near-ambient pressure (NAP) electron analyzer, which has a less strict vacuum requirement. In combination with a specialized electrochemical cell, we have recently indeed shown that it is possible to perform XPS measurements on catalysts during electrochemical reactions. However, these measurements remain challenging, because the specialized electrochemical cell is fragile and will occasionally break inside the vacuum chamber, spilling corrosive liquids into the system. In addition, the set-up will be used by a variety of researchers, including those with relatively little experience with XPS. As a result, it is to be expected that regular repairs and maintenance are required. From these considerations, it is clear that it is essential to have safety measures in place, and to ensure that maintenance is easy. SPECS is the only one that has a safety valve inside the electron analyzer. See link under I.1 for full text.