

**Finland-Helsinki: Mass spectrometer**  
**OJ S 161/2023 23/08/2023**  
**Contract award notice**  
**Supplies**

**Legal Basis:**

Directive 2014/24/EU

---

**Section I: Contracting authority**

**I.1. Name and addresses**

Official name: University of Helsinki  
National registration number: 0313471-7  
Postal address: Yliopistonkatu 3  
Town: Helsinki  
NUTS code: FI1B Helsinki-Uusimaa  
Postal code: 00100  
Country: Finland  
Contact person: Katri Leino  
E-mail: [hankinnat@helsinki.fi](mailto:hankinnat@helsinki.fi)  
**Internet address(es):**  
Main address: <https://www.helsinki.fi/en>

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

Body governed by public law

**I.5. Main activity**

Education

---

**Section II: Object**

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

**II.1.1. Title**

Proton-transfer-reaction mass spectrometer for field measurements

**II.1.2. Main CPV code**

38433100 Mass spectrometer

**II.1.3. Type of contract**

Supplies

**II.1.4. Short description**

Institute for Atmospheric and Earth System Research of the University of Helsinki invited tenders for a proton-transfer-reaction mass spectrometer for measuring volatile and low-volatile organic compounds at a coastal measurement site.

**II.1.6. Information about lots**

This contract is divided into lots: no

**II.1.7.**

## **Total value of the procurement**

Value excluding VAT: 350 000,00 EUR

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

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

NUTS code: FI1B Helsinki-Uusimaa

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

Institute for Atmospheric and Earth System Research of the University of Helsinki invited tenders for a proton-transfer-reaction mass spectrometer for measuring volatile and low-volatile organic compounds at a coastal measurement site.

The instrument must meet the following requirements:

- a) Resolving power > 8000
- b) Mass range extending at least up to m/z 1000
- c) H<sub>3</sub>O<sup>+</sup> ion source.
- d) High-sensitivity for volatile organic compounds: > 20 000 cps/ppb for acetone and > 10 000 cps/ppb for α-pinene (C<sub>10</sub>H<sub>16</sub>).
- e) Low detection limit: < 1 ppt (30 s, 3-sigma) for α-pinene
- f) Linearity up to around 100 ppb
- g) Inlet design that allows also to measure semi-volatile and low-volatile organic compounds with the H<sub>3</sub>O<sup>+</sup> ion source.
- h) Can be used both in laboratory measurements and ambient monitoring in field conditions.
- i) The instrument must be easily transportable and its overall weight should be < 200 kg.
- j) Manufacturer must provide a comprehensive analysis and data acquisition software.

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

Quality criterion - Name: Quality, delivery time / Weighting: 10

Price - Weighting: 90

#### **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**

### **Section IV: Procedure**

---

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

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

Open procedure

##### **IV.1.3. Information about a framework agreement or a dynamic purchasing system**

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

The procurement is covered by the Government Procurement Agreement: no

#### **IV.2. Administrative information**

##### **IV.2.1.**

## Previous publication concerning this procedure

Notice number in the OJ S: [2023/S 105-329522](#)

### IV.2.8. Information about termination of dynamic purchasing system

### IV.2.9. Information about termination of call for competition in the form of a prior information notice

## Section V: Award of contract

---

### Title:

Proton-transfer-reaction mass spectrometer for field measurements

A contract/lot is awarded: yes

### V.2. Award of contract

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

16/08/2023

#### V.2.2. Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 2

Number of tenders received by electronic means: 2

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

#### V.2.3. Name and address of the contractor

Official name: Tofwerk AG

National registration number: CHE-109.807.630

Town: Schorenstrasse 39

NUTS code: CH Schweiz / Suisse / Svizzera

Country: Switzerland

The contractor is an SME: yes

#### V.2.4. Information on value of the contract/lot

Initial estimated total value of the contract/lot: 350 000,00 EUR

Total value of the contract/lot: 350 000,00 EUR

#### V.2.5. Information about subcontracting

## Section VI: Complementary information

---

### VI.3. Additional information

### VI.4. Procedures for review

#### VI.4.1. Review body

Official name: Markkinaoikeus

Postal address: Sörnäistenkatu 1

Town: Helsinki

Postal code: 00580

Country: Finland

E-mail: [markkinaoikeus@oikeus.fi](mailto:markkinaoikeus@oikeus.fi)

Telephone: +358 295643300

Internet address: <http://www.oikeus.fi/markkinaoikeus>

**VI.5. Date of dispatch of this notice**

18/08/2023