Planning

Smart TRV - Soft Market Testing 2023

University of Essex

F01: Prior information notice
Prior information only
Notice identifier: 2023/S 000-023709
Procurement identifier (OCID): ocds-h6vhtk-03ef76
Published 14 August 2023, 1:18pm

Section I: Contracting authority

I.1) Name and addresses

University of Essex

University of Essex

Wivenhoe Park

CO4 3SQ

Contact

Aston Baker

Email

ab17001@essex.ac.uk

Country

United Kingdom

Region code

UKH3 - Essex

Internet address(es)

Main address

www.essex.ac.uk

I.3) Communication

The procurement documents are available for unrestricted and full direct access, free of charge, at

https://supplierlive.proactisp2p.com/Account/Login

Additional information can be obtained from the above-mentioned address

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

Smart TRV - Soft Market Testing 2023

Reference number

DN1539

II.1.2) Main CPV code

- 71314000 - Energy and related services

II.1.3) Type of contract

Services

II.1.4) Short description

The University is seeking to install SMART TRV which provides a high-tech solutions to heat only the rooms in use.

The SMART TRV should be robust and able to communicate long-range

The SMART TRV should harvest energy from the heat without the need of batteries.

Access to an online portal or dashboard to monitor and measure energy usage and carbon emissions from each individual rooms.

Generate monthly energy monitoring and carbon reports through the online portal or dashboard.

The SMART TRV communicates to Gateway devices which are capable of connecting to the internet using a built-in 5G SIM card and using LTE when conventional LAN networks are unavailable.

Data communication is encoded and is end to end encrypted.

The SMART TRV uses an interface that enables room users to adjust the heating temperature according to their preferences using their smartphones or via a web link.

The University is seeking suppliers to provide 4,300 SMART TRVs to reduce heating in

offices and student accommodation rooms to achieve the following:

Eliminate heating empty rooms

Measure energy consumption and carbon emissions in individual rooms

Measure and monitor energy, cost and carbon savings though an online Cloud based dashboard

Determine actual energy usage and identify targeted investment opportunities for enhanced efficiency

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 39711300 - Electrothermic appliances
- 71314200 - Energy-management services
- 71314300 - Energy-efficiency consultancy services

II.2.3) Place of performance

NUTS codes

- UKH3 - Essex

II.2.4) Description of the procurement

The University is seeking to install SMART TRV which provides a high-tech solutions to heat only the rooms in use.

The SMART TRV should be robust and able to communicate long-range

The SMART TRV should harvest energy from the heat without the need of batteries.

Access to an online portal or dashboard to monitor and measure energy usage and carbon emissions from each individual rooms.

Generate monthly energy monitoring and carbon reports through the online portal or dashboard.

The SMART TRV communicates to Gateway devices which are capable of connecting to the internet using a built-in 5G SIM card and using LTE when conventional LAN networks are unavailable.

Data communication is encoded and is end to end encrypted.

The SMART TRV uses an interface that enables room users to adjust the heating temperature according to their preferences using their smartphones or via a web link.

The University is seeking suppliers to provide 4,300 SMART TRVs to reduce heating in offices and student accommodation rooms to achieve the following:

Eliminate heating empty rooms

Measure energy consumption and carbon emissions in individual rooms

Measure and monitor energy, cost and carbon savings though an online Cloud based dashboard

Determine actual energy usage and identify targeted investment opportunities for enhanced efficiency

II.2.7) Duration of the contract, framework agreement or dynamic purchasing system

This contract is subject to renewal

Yes

Description of renewals

Not formally decided but could look at doing a 3 year contract with option to extend for 2 + 2 further years

II.3) Estimated date of publication of contract notice

6 November 2023

Section IV. Procedure

IV.1) Description

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

The procurement is covered by the Government Procurement Agreement: Yes