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Award

Wastewater Nitrous Oxide in Liquid Sensors and Controllers

UNITED UTILITIES WATER LIMITED

UK5: Transparency notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-045069

Procurement identifier (OCID): ocds-h6vhtk-056afa ([view related notices](#))

Published 1 August 2025, 10:13am

Scope

Description

This Transparency notice is linked to PPN Notice identifier: 2025/S 000-028704 linked here: <https://www.find-tender.service.gov.uk/Notice/028704-2025?origin=Dashboard#top>

UU are looking to source sensor equipment capable of detecting & measuring Nitrous Oxide in liquid.

The requirement of detection in liquid is fundamental to this product; sensors for gas state do not meet this requirement.

UU are looking for 120 sensors for immediate requirement, along with appropriate fitments, controllers, pipe mounting equipment, cabling and calibration kits. The initial requirement should also include consumables to run the sensors for 12 months. Our research shows probe heads have a usable lifespan of 6 months. There will likely be an ongoing requirement for spares and consumables for 5 years.

Our market intelligence leads us to the conclusion there is only 1 suitable product on the market currently, from Unisense, shown here: <https://unisense-environment.com/products/n2o-wastewater-sensor/>

We are expecting the cost to come in at approximately £1M based on the product set from Unisense over 12 months. With a consumables requirement of a further £1M over the following 4 years.

This notice is designed to test our sourcing intelligence with the market for competing product availability.

Commercial tool

Establishes a framework

Framework

Maximum percentage fee charged to suppliers

0%

Contracting authorities that may use the framework

Establishing party only

Contract 1

Supplier

- Unisense Environment A/S

Contract value

- £2,000,000 excluding VAT
- £2,400,000 including VAT

Above the relevant threshold

Earliest date the contract will be signed

13 August 2025

Contract dates (estimated)

- 1 September 2025 to 30 August 2030
- Possible extension to 30 August 2035
- 9 years, 11 months, 30 days

Description of possible extension:

Contract can be extended in line with the regulatory cycle if there are still no other suppliers in the market

Main procurement category

Goods

CPV classifications

- 35125100 - Sensors

Contract locations

- UK - United Kingdom

Other information

Conflicts assessment prepared/revised

Yes

Procedure

Procedure type

Direct award

Special regime

Utilities

Direct award justification

Single supplier - technical reasons

Our market intelligence states this is currently the only product on the market capable of sensing and measuring nitrous oxide in liquid

Supplier

Unisense Environment A/S

- Public Procurement Organisation Number: PNQH-9554-PNGW

Langdysen 5

Aarhus N

8200

Denmark

Email: Sales@unisense.com

Website: <https://unisense-environment.com/>

Small or medium-sized enterprise (SME): No

Voluntary, community or social enterprise (VCSE): No

Contract 1

Contracting authority

UNITED UTILITIES WATER LIMITED

- Companies House: 02366678
- Public Procurement Organisation Number: PVVB-5589-BWHX

Haweswater House, Lingley Green Avenue

Great Sankey

WA5 3LP

United Kingdom

Contact name: Chris England

Email: christopher.england@uuplc.co.uk

Region: UKD61 - Warrington

Organisation type: Private utility