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Contract

Building CPI's capability in industrial connectivity, Federated Learning and data science methodologies

Centre For Process Innovation

F03: Contract award notice

Notice identifier: 2025/S 000-015554

Procurement identifier (OCID): ocds-h6vhtk-044e5c

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Section I: Contracting authority

I.1) Name and addresses

Centre For Process Innovation

Discovery 2, William Armstrong Way, NETPark

Sedgefield

TS21 3FH

Email

e-tendering@uk-cpi.com

Telephone

+44 01740625716

Country

United Kingdom

NUTS code

UKC - North East (England)

Internet address(es)

Main address

www.uk-cpi.com

I.4) Type of the contracting authority

Body governed by public law

I.5) Main activity

Other activity

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Building CPI's capability in industrial connectivity, Federated Learning and data science methodologies

Reference number

3264

II.1.2) Main CPV code

- 72000000 - IT services: consulting, software development, Internet and support

II.1.3) Type of contract

Services

II.1.4) Short description

The purpose of this tender is to demonstrate CPI's capability in data analytics and Federated Learning by supplying an analytics-enabling data infrastructure for a plastics recycling rig (Lot 1), and a complete Federated Learning platform (Lot 2), initially orientated towards furnace applications which is deployable at different sites/locations. These lots are to be supplemented by a training programme CPI has identified in support of these activities (Lot 3). This tender is split into three lots where are described in detail in the Technical Requirements section and accompanying URB's.

II.1.6) Information about lots

This contract is divided into lots: Yes

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

Value excluding VAT: £700,000

II.2) Description

II.2.1) Title

Federated Learning Platform

Lot No

2

II.2.2) Additional CPV code(s)

- 72000000 - IT services: consulting, software development, Internet and support

II.2.3) Place of performance

NUTS codes

- UKC - North East (England)

II.2.4) Description of the procurement

The intended outcome from this lot is a Federated Learning platform that allows machine learning (ML) modelling of data from industrial assets and plants. The platform should allow building of ML models on the edge without the need to share data.

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

II.2) Description

II.2.1) Title

Provision of training on standardisation of model development, version control, documentation

Lot No

3

II.2.2) Additional CPV code(s)

- 72000000 - IT services: consulting, software development, Internet and support

II.2.3) Place of performance

NUTS codes

- UKC - North East (England)

II.2.4) Description of the procurement

The intended outcome for this lot is the provision of training in data scientific approaches. The target audience of the training are general scientists (typically chemists / chemical engineers, trained to PhD level or graduates with several years' experience) with good understanding of data science and python coding, but no formal training. The focus of the training should be on practical approaches and robust procedures that can be implemented at CPI.

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

Section IV. Procedure

IV.1) Description

IV.1.1) Type of procedure

Competitive procedure with negotiation

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

The procurement involves the establishment of a 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: [2024/S 000-010338](#)

Section V. Award of contract

Contract No

3264

Lot No

2

Title

Federated Learning Platform

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

26 November 2024

V.2.2) Information about tenders

Number of tenders received: 2

Number of tenders received from SMEs: 2

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 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

OctaiPipe Ltd

124 City Road

London

EC1V 2NX

Country

United Kingdom

NUTS code

- UKI43 - Haringey and Islington

The contractor is an SME

Yes

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

Initial estimated total value of the contract/lot: £700,000

Total value of the contract/lot: £700,000

Section V. Award of contract

Contract No

3264

Lot No

3

Title

Provision of training on standardisation of model development, version control, documentation

A contract/lot is awarded: Yes

V.2) Award of contract

V.2.1) Date of conclusion of the contract

16 April 2025

V.2.2) Information about tenders

Number of tenders received: 1

Number of tenders received from SMEs: 0

Number of tenders received from tenderers from other EU Member States: 0

Number of tenders received from tenderers from non-EU Member States: 1

Number of tenders received by electronic means: 1

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

V.2.3) Name and address of the contractor

University of Newcastle upon Tyne

King's Gate

Newcastle upon Tyne

NE1 7RU

Country

United Kingdom

NUTS code

- UKC2 - Northumberland and Tyne and Wear

The contractor is an SME

No

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

Initial estimated total value of the contract/lot: £700,000

Total value of the contract/lot: £700,000

Section VI. Complementary information

VI.4) Procedures for review

VI.4.1) Review body

Centre for Process and Innovation

Wilton Centre, Wilton, Redcar, TS10 4RF

Wilton

Country

United Kingdom