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Planning

Market Engagement PIN for the Mobile Infrastructure Monitoring Delivery Strategy

Network Rail Infrastructure Ltd

F04: Periodic indicative notice – utilities
Periodic indicative notice only
Notice identifier: 2022/S 000-017643
Procurement identifier (OCID): ocds-h6vhtk-034b91
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Section I: Contracting entity

I.1) Name and addresses

Network Rail Infrastructure Ltd

1 Eversholt Street

London

NW1 2DN

Email

Sonia.Diosee@networkrail.co.uk

Telephone

+44 1908781000

Country

United Kingdom

NUTS code

UK - United Kingdom

Internet address(es)

Main address

https://www.networkrail.co.uk

Buyer's address

https://networkrail.bravosolution.co.uk/web/login.html

I.3) Communication

Additional information can be obtained from the above-mentioned address

I.6) Main activity

Railway services

Section II: Object

II.1) Scope of the procurement

II.1.1) Title

Market Engagement PIN for the Mobile Infrastructure Monitoring Delivery Strategy

Reference number

27577

II.1.2) Main CPV code

• 63711100 - Train monitoring services

II.1.3) Type of contract

Services

II.1.4) Short description

Network Rail is pleased to host a series of Industry Engagement Events following on from the opportunity published under publication reference 2021/S/ 000-004088 - PIN for the Mobile Infrastructure Monitoring Category Strategy.

The first event is planned to be hosted on 19th July 2022 followed by a series of face to face/ virtual 1-2-1 sessions. It is anticipated that further Industry Engagement Events will be hosted later in the year.

Please register your interest by emailing the names of those attending back to Improgramme@networkrail.co.uk. RSVP by 15th July.

As part of its reliability centred maintenance Network Rail has an extensive Infrastructure Monitoring (IM) programme that provides information to the regional engineering teams on the condition of their assets and trend analysis to identify and classify defects to facilitate corrective and preventative maintenance of the network.

In this project we would like to focus on the mobile infrastructure monitoring operations currently undertaken via trainborne collection methods.

There are a range of operations and supporting contracts for the current service delivery ranging from the purchase, operation and maintenance of the current IM fleet, technology and the associated systems used for data analytics and reporting.

Collaboration will be critical in developing new services that meet the future asks of infrastructure monitoring. So please share this with other relevant organisations who you believe could support this project.

II.1.5) Estimated total value

Value excluding VAT: £50,000,000

II.1.6) Information about lots

This contract is divided into lots: No

II.2) Description

II.2.2) Additional CPV code(s)

- 30210000 - Data-processing machines (hardware)

- 30236200 - Data-processing equipment

- 31644000 - Miscellaneous data recorders

- 32222000 - Video-signal coding machines

- 32260000 - Data-transmission equipment

- 32580000 - Data equipment

- 32581000 - Data-communications equipment

- 33112000 - Echo, ultrasound and doppler imaging equipment

- 34600000 - Railway and tramway locomotives and rolling stock and associated parts

- 34610000 - Rail locomotives and tenders

- 34611000 - Locomotives

- 34621000 - Railway maintenance or service vehicles, and railway freight wagons

- 34630000 - Parts of railway or tramway locomotives or rolling stock; railways traffic-control equipment

- 34632200 - Electrical signalling equipment for railways

- 34712200 - Satellites

- 34940000 - Railway equipment

- 34941800 - Railway points

- 34943000 - Train-monitoring system

- 34945000 - Track-alignment machinery

- 34999000 - Signal generators, aerial signal splitters and electroplating machines

- 35125100 - Sensors

- 38343000 - Error-monitoring equipment

- 38500000 - Checking and testing apparatus

- 38540000 - Machines and apparatus for testing and measuring

- 45234115 - Railway signalling works

- 48150000 - Industrial control software package

- 48326100 - Digital mapping system

- 48328000 - Image-processing software package

- 48600000 - Database and operating software package

- 48610000 - Database systems

- 48612000 - Database-management system

- 48613000 - Electronic data management (EDM)

- 48781000 - System management software package

- 48782000 - Storage management software package

- 48800000 - Information systems and servers

- 48810000 - Information systems

- 48820000 - Servers

- 48921000 - Automation system

- 50220000 - Repair, maintenance and associated services related to railways and other equipment

- 50221000 - Repair and maintenance services of locomotives

- 50225000 - Railway-track maintenance services

- 50312610 - Maintenance of information technology equipment

- 50312620 - Repair of information technology equipment

- 50333000 - Maintenance services of radio-communications equipment

- 50340000 - Repair and maintenance services of audio-visual and optical equipment

- 50343000 - Repair and maintenance services of video equipment

- 50344000 - Repair and maintenance services of optical equipment

- 50344100 - Repair and maintenance services of photographic equipment

- 50410000 - Repair and maintenance services of measuring, testing and checking apparatus

- 51200000 - Installation services of equipment for measuring, checking, testing and navigating

- 51210000 - Installation services of measuring equipment

- 51230000 - Installation services of testing equipment

- 51311000 - Installation services of radio equipment

- 51321000 - Installation services of radio transmitters

- 51611100 - Hardware installation services

- 51612000 - Installation services of information-processing equipment

- 60200000 - Railway transport services

- 60210000 - Public transport services by railways

- 63711000 - Support services for railway transport

- 63711100 - Train monitoring services

- 64216110 - Electronic data exchange services

- 64226000 - Telematics services

- 71311230 - Railway engineering services

- 71311300 - Infrastructure works consultancy services

- 71355000 - Surveying services

- 71600000 - Technical testing, analysis and consultancy services

- 71630000 - Technical inspection and testing services

- 71631000 - Technical inspection services

- 71631400 - Technical inspection services of engineering structures

- 71631470 - Railway-track inspection services

- 71700000 - Monitoring and control services

- 71730000 - Industrial inspection services

- 72110000 - Hardware selection consultancy services

- 72200000 - Software programming and consultancy services

- 72212100 - Industry specific software development services

- 72212211 - Platform interconnectivity software development services

- 72212328 - Image-processing software development services

- 72212600 - Database and operating software development services

- 72220000 - Systems and technical consultancy services

- 72221000 - Business analysis consultancy services

- 72222300 - Information technology services

- 72227000 - Software integration consultancy services

- 72228000 - Hardware integration consultancy services

- 72230000 - Custom software development services

- 72262000 - Software development services

- 72310000 - Data-processing services

- 72311100 - Data conversion services

- 72313000 - Data capture services

- 72314000 - Data collection and collation services

- 72315000 - Data network management and support services

- 72315200 - Data network management services

- 72316000 - Data analysis services

- 72318000 - Data transmission services

- 72320000 - Database services

- 72322000 - Data management services

- 73000000 - Research and development services and related consultancy services

- 73100000 - Research and experimental development services

- 73110000 - Research services

II.2.3) Place of performance

NUTS codes

- UK - United Kingdom

II.2.4) Description of the procurement

Network Rail specifies, collects and analyses various and comprehensive data about their railway assets condition (20 petabytes of data collected annually, 750,000 miles of track surveyed, 30,000 bridges, tunnels and viaducts and the thousands of signals, level crossings and stations). The data is used to provide insight and intelligence to the route maintenance teams and asset management teams, who look at the longer terms needs of the asset base.

A wide variety of technologies are being used for both, capturing data and processing it. In doing so, it is key that the right data is captured in the most efficient and safe manner. This includes reducing to a minimum the requirement for personnel to access the trackside in order to carry out rail infrastructure monitoring activities.

This project a is company-wide programme looking to provide an integrated approach to infrastructure monitoring activity which is currently undertaken by trainborne collection methods. Network Rail is seeking to engage with the supply chain to help shape the future sourcing strategy.

II.3) Estimated date of publication of contract notice

2 January 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