

This is a published notice on the Find a Tender service: <https://www.find-tender.service.gov.uk/Notice/011086-2022>

Planning

## **Upgrade of the mobile signal repeaters on Pendolino Fleet of Trains - Proof of Concept**

FIRST TRENITALIA WEST COAST RAIL LIMITED

F04: Periodic indicative notice – utilities

Periodic indicative notice only

Notice identifier: 2022/S 000-011086

Procurement identifier (OCID): ocids-h6vhtk-0331eb

Published 29 April 2022, 10:57am

### **Section I: Contracting entity**

#### **I.1) Name and addresses**

FIRST TRENITALIA WEST COAST RAIL LIMITED

8th Floor, The Point, 37 North Wharf Road

London

W2 1AF

#### **Contact**

Bengu Zorba

#### **Email**

[bengu.zorba@avantiwestcoast.co.uk](mailto:bengu.zorba@avantiwestcoast.co.uk)

#### **Country**

United Kingdom

**Region code**

UKI - London

**Internet address(es)**

Main address

<https://www.avantiwestcoast.co.uk>

**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**

Upgrade of the mobile signal repeaters on Pendolino Fleet of Trains - Proof of Concept

#### **II.1.2) Main CPV code**

- 32000000 - Radio, television, communication, telecommunication and related equipment

#### **II.1.3) Type of contract**

Supplies

#### **II.1.4) Short description**

FTWCR (Avanti West Coast) is investigating the opportunity to upgrade the mobile signal repeaters on our Pendolino fleet.

To help with the ongoing connectivity program at Avanti West Coast we are looking to enhance the experience to allow customers to have the ability to make voice calls as well as use their personal data whilst onboard our trains.

We are therefore engaging with the market to test our assumptions and explore the range of products, functionality and integrations that could support our business

#### **II.1.6) Information about lots**

This contract is divided into lots: No

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

#### **II.2.2) Additional CPV code(s)**

- 32000000 - Radio, television, communication, telecommunication and related equipment

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

NUTS codes

- UK - United Kingdom

Main site or place of performance

UK - West Coast Main Line Railway

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

Avanti West Coast (AWC) is investigating the opportunity to upgrade the mobile signal repeaters on our Pendolino fleet. The new system must cover at least the bandwidths which are available today plus the inclusion of 5G.

As a minimum this will need to be able to work on the current supported networks of EE, O2 and Vodafone.

While this is for a Proof Of Concept with respect to a 9 car Pendolino, if successful then we would look at progressing further to a full fleet rollout. The Pendolino fleet comprises of:

- 9 car trains = 21 = 189 carriages
- 11 car trains = 35 = 385 carriage

o total 574 carriages

We are engaging with the market to test our assumptions and explore the range of products, functionality and integrations that could support our business. We are also interested in the time and cost constraints that are allocated to the deployment of such solutions. Through better understanding the market capability, it will support the internal review of the requirement to support the development of a business case.

#### **II.2.14) Additional information**

It is the intention of AWC to install the new repeaters on one train as a POC and trial this for 6 months to see the benefits it will bring to AWC customer service and satisfaction.

If successful, we will then return with the benefits from the POC trial to further the rollout across the fleet.

#### **II.3) Estimated date of publication of contract notice**

30 May 2022

---

## **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: No

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

#### **IV.2.2) Time limit for receipt of expressions of interest**

Date

13 May 2022

#### **IV.2.4) Languages in which tenders or requests to participate may be submitted**

English

---

## **Section VI. Complementary information**

### **VI.3) Additional information**

This notice is to create early market engagement with suppliers.

Should you wish to support this activity please send an email to the email address stated on this notice and in addition please provide your responses to the questions below to the same email address should you wish to do so

It is FTWCR intention to launch a formal procurement process, for which a contract notice will be published. This process will be subject to the review of the outcome of the responses from this early market engagement and the ability to continue with this project.

- Proposed Deployment of POC - Aug - Sept 22

#### **1. System**

##### **1.1 Customer Experience**

Please provide an overview of your solutions functionality to support an enhanced customer experience.

- a. How would your solution enhance the customer experience to our customers?

## 1.2 Back Office System

Please provide an overview of your solutions Back Office functionality to support with management and reporting

- a. Describe what information would be available in your back-office systems?
- b. How configurable is your back-office system?

## 2 Maintenance and Support

Please outline your typical maintenance arrangement

- 2.1. How do you ensure maximum reliability of the solution?
- 2.2 How do you support the business operation when hardware/ software fails?
- 2.3.How does your solution support accurate identification, reporting and management of faults?

## 3 Deployment

Please outline your typical deployment timescales with reference to the indicative dates provided.

How do you support staff with training on your solution (if any)?