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Planning

Pre-Tender Market Engagement - Advanced, AI-automated incident detection

Tees Valley Combined Authority

UK2: Preliminary market engagement notice - Procurement Act 2023 - [view information about notice types](#)

Notice identifier: 2025/S 000-047571

Procurement identifier (OCID): ocds-h6vhtk-0584fa

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Scope

Reference

TVCA-PROC-0656

Description

Tees Valley Combined Authority (TVCA), part of the Tees Valley Combined Authority Group, seeks to engage the market through this Pre-Tender Market Engagement (PTME) exercise in preparation for the procurement of a solution to enhance and extend the capabilities of TVCA's existing incident detection module and management infrastructure, specifically building upon the pre-existing Aimsun Live platform and the Yunex Traffic UTC / UTMCI systems, e.g., Stratos Strategy Manager, as part of the CRSTS-funded digital transport programme.

This PTME aims to:

- Understand the market's appetite, capabilities, and innovations in delivering advanced, AI-driven incident detection and response systems that can be integrated with existing

systems, including adaptive signal control (e.g., FUSION), Aimsun Live's digital twin, and control room platforms.

- Explore system integration feasibility, identifying suppliers capable of building on the Tees Valley's existing digital transport ecosystem, including Yunex Traffic's Stratos Strategy Manager and Aimsun Live, without necessitating system replacement, duplication, or disruption that could lead to operational or financial inefficiencies.
- Validate suppliers' experience in deploying enhanced incident management and simulation-based modelling solutions for local or regional road networks, with a focus on those that can demonstrably interface with or extend our existing system architecture.
- Invite technical feedback and innovative ideas on key challenges such as GDPR compliance, interoperability, verification workflows, and data fusion with fixed or floating data sources, in ways that maximise operational efficiency and return on previous investments.

Suppliers are advised that any proposed solution must be demonstrably compatible with, and able to operate in conjunction with, TVCA's existing Yunex Stratos and Aimsun Live platforms. TVCA is not seeking to replace or duplicate existing systems. Proposals should clearly demonstrate how interoperability or enhancement can be achieved within this environment.

Please refer to the Pre-Tender Market Engagement documents for further detail. These can be found on the ProContract e-tendering portal:

<https://procontract.due-north.com/Advert?advertId=ceae1e5a-9876-f011-813a-005056b64545>

You will need to register as a supplier to gain access to the documentation. Registration is free.

Contract dates (estimated)

- 1 December 2025 to 30 November 2030
- 5 years

Main procurement category

Goods

CPV classifications

- 34970000 - Traffic-monitoring equipment
- 63712700 - Traffic control services
- 63712710 - Traffic monitoring services

Contract locations

- UKC1 - Tees Valley and Durham

Engagement

Engagement deadline

22 August 2025

Engagement process description

To respond to this pre-market engagement request, you must be registered to use the ProContract e-tendering portal at:

<https://procontract.due-north.com/Advert?advertId=ceae1e5a-9876-f011-813a-005056b64545>

All completed responses must be submitted electronically via the portal using the submission template.

Should you require assistance in relation to the e-tender portal, please contact Proactis Supplier Support either on-line at <https://suppliersupport.proactisservicedesk.com>, via email to ProContractSuppliers@proactis.com or call 0330 0050 352.

Queries regarding this process and/or the content of this PTME should be submitted as clarification requests via the portal, no communication will be accepted via other means.

Contracting authority

Tees Valley Combined Authority

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- Public Procurement Organisation Number: PDNG-8971-ZVCR

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Region: UKC13 - Darlington

Organisation type: Public authority - sub-central government