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Planning

## Waste Digital Twin - Modelling Delivery

SEVERN TRENT WATER LIMITED

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

Notice identifier: 2026/S 000-010742

Procurement identifier (OCID): ocids-h6vhtk-064991

Published 5 February 2026, 11:29pm

### Scope

### Description

The Waste Digital Twins will be an end-to-end digital representation of the Sewage Treatment Works, which will allow visualisation, simulation and optimisation of the treatment processes on the site. Initially the optimisation recommendations will be manually implemented, with a view to moving towards full automation at a later date.

We are seeking partner(s) with demonstrable expertise in mechanistic and deterministic modelling, digital twin architectures, cloud-based simulation systems, and operational optimisation. The successful partner(s) will help define and deliver the modelling Blueprint, establish a best-practice modelling methodology, and work alongside our System Integrator(s) to develop a scalable, flexible and future-proof Waste Digital Twin platform.

Delivery will follow a phased and iterative approach:

Phase 1 - Feasibility: Evaluate and recommend modelling pathways, either via mechanistic software or coded mechanistic model conversion.

Phase 2- Deployment: Iteratively deploy, validate and refine Digital Twins across sites, embedding learnings and enhancements.

Partners will be expected to provide specialist capability, flexible resourcing, and operational support while upskilling Severn Trent's internal teams in DataOps, MLOps and Digital Twin operations. This includes integrating modelling outputs within a wider systems architecture, supporting interim standalone solutions ahead of future integration with the Asset Data Programme, and ensuring all work aligns with Severn Trent's cyber and data governance guardrails.

### **Total value (estimated)**

- £8,000,000 excluding VAT
- £8,000,000 including VAT

Above the relevant threshold

### **Contract dates (estimated)**

- 20 May 2026 to 1 November 2029
- 3 years, 5 months, 13 days

### **Main procurement category**

Services

### **CPV classifications**

- 48000000 - Software package and information systems
- 72200000 - Software programming and consultancy services
- 72312000 - Data entry services
- 72313000 - Data capture services

- 72316000 - Data analysis services
- 72317000 - Data storage services
- 72600000 - Computer support and consultancy services
- 90711500 - Environmental monitoring other than for construction

## **Contract locations**

- UK - United Kingdom

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## **Engagement**

### **Engagement deadline**

13 February 2026

### **Engagement process description**

Severn Trent is looking for Modelling Partners to develop and deploy Waste Digital Twins across our wastewater treatment sites, helping reduce emissions and build a scalable optimisation platform for AMP8.

Suppliers are invited to participate in Preliminary Market Engagement Deep Dives by using the following link -

[https://forms.office.com/Pages/ResponsePage.aspx?id=mR5c4eN7XEmXjuynuOqfMdOg6qb\\_i4tMg8rLczPa1BJURTEyT0o3OU04SU1BMkZWWkVLQldSS0FOUi4u](https://forms.office.com/Pages/ResponsePage.aspx?id=mR5c4eN7XEmXjuynuOqfMdOg6qb_i4tMg8rLczPa1BJURTEyT0o3OU04SU1BMkZWWkVLQldSS0FOUi4u)

<https://forms.office.com/e/TEsfmfxzDp>

All responses are highly confidential and shared only internally. Thank you so much for sharing your time to fill this survey.

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## **Submission**

### **Publication date of tender notice (estimated)**

27 February 2026

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## **Procedure**

### **Special regime**

Utilities

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## **Contracting authority**

### **SEVERN TRENT WATER LIMITED**

- Companies House: 02366686
- Public Procurement Organisation Number: PQQN-5222-QDXR

Severn Trent Centre

Coventry

CV1 2LZ

United Kingdom

Email: [systemsandprocessteam-pcm@severntrent.co.uk](mailto:systemsandprocessteam-pcm@severntrent.co.uk)

Region: UKG33 - Coventry

Organisation type: Private utility