

Two UK SMEs seek European municipal waste authorities and partners for multi-city waste collection optimisation demonstration

Summary

Profile type

Technology request

Company's country

United Kingdom

POD reference

TRGB20260908011

Profile status

PUBLISHED

Type of partnership

Research and development cooperation agreement

Targeted countries

• All countries

Contact Person

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Term of validity

8 Sep 2026
8 Sep 2027

Last update

8 Sep 2026

General Information

Short summary

Two UK SMEs - a transport R&D company and an established waste collection planning and optimisation technology provider - are forming a consortium for an EIT Urban Mobility project. European municipalities, intermunicipal waste authorities, city-linked waste operators and complementary partners are sought for real-world demonstration, validation and cross-border replication.

Full description

Two UK SMEs are forming a European consortium for a proposed EIT Urban Mobility Strategic Innovation Open Call project. One specialises in transport R&D and project delivery; the other provides established municipal waste collection planning and optimisation technology.

The project builds on a successful EIT Urban Mobility RAPTOR demonstration with a European city, where the platform was applied to service mapping, collection-zone and round design, route optimisation, vehicle management and operational visibility.

The next stage is to validate the proven capability across several European locations and levels of digital maturity. Demonstrations may cover data structuring, zoning and round optimisation, route/resource balancing, performance visibility, service-redesign scenarios, integration with existing systems and, where relevant, low-emission fleet transition. European end users and project partners are sought to provide operational use cases, data and local validation. The consortium is targeting a 2027 EIT Urban Mobility submission.

Advantages and innovations

The collaboration builds on a solution already demonstrated in a live municipal environment. The scale-up will focus on repeatable deployment across different European municipal contexts.

Key differentiators are a modular approach for different levels of operational and digital maturity; combined service mapping, zoning, round design, routing and operational analysis; and the ability to complement mature existing systems rather than replace them.

The platform supports reductions in unnecessary collection kilometres, fuel use and planning effort while improving route efficiency, operational visibility and service consistency. Common onboarding, data and integration approaches will support replication beyond the demonstration cities.

Technical specification or expertise sought

Primary end-user partners sought are European municipalities, intermunicipal waste authorities and city-linked waste operators responsible for municipal waste collection planning or operations.

Complementary European partners are also welcome where they add direct value in areas such as independent validation, municipal data/GIS integration, strategic waste-network planning, low-emission fleet transition, research or impact assessment.

End-user partners should have a real operational or strategic challenge suitable for demonstration - for example route/round redesign, service-area planning, contractor oversight, service restructuring, decarbonisation, systems integration or future waste-network configuration - and be able to provide relevant data, staff input, local testing and a letter of commitment if selected.

Both less digitally mature and advanced authorities are of interest. Existing route-planning or operational software is not a barrier where a complementary integration, benchmarking or future-service use case can be defined.

Stage of development

Already on the market

Sustainable Development goals

- **Goal 11: Sustainable Cities and Communities**
- **Goal 13: Climate Action**
- **Goal 12: Responsible Consumption and Production**

IPR Status

Secret know-how

IPR Notes

Partner Sought

Expected role of the partner

End-user partners will act as demonstration and validation organisations within the proposed EIT Urban Mobility consortium, with roles tailored to local context and digital maturity.

Activities are expected to include defining the local use case; providing requirements, agreed data and staff access;

supporting configuration, testing and baseline/outcome evaluation; and contributing evidence on transferability, procurement/adoption and European replication.

Complementary technical, research or validation partners will undertake clearly defined tasks supporting the demonstrations. Partners with a 2027-2028 window for service redesign, procurement, policy change, decarbonisation, fleet transition, new/reconfigured facilities or systems integration are particularly relevant.

Type of partnership

Research and development cooperation agreement

Type and size of the partner

- **Big company**
- **SME 50 - 249**
- **SME 11-49**

Dissemination

Technology keywords

- **02009018 - Measurement devices**
- **02009004 - Road Vehicles**
- **02009027 - Transmission systems**

Market keywords

- **09001002 - Trucking**
- **09001005 - Motor vehicles, transportation equipment and parts**
- **09001007 - Other transportation**

Targeted countries

- **All countries**

Sector groups involved