



Liverpool  
City Council



Buying Guide

# Underground Refuse Solutions Framework

Contract Reference: DN467196

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**Key Framework Details**

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<b>Framework Reference</b>	DN467196
<b>Framework Duration</b>	10th February 2021 to 9 <sup>th</sup> February 2025
<b>OJEU Contract Notice</b>	2020/S 194-470497
<b>OJEU Award Notice</b>	2021/S 065-169932
<b>FTS Award Notice</b>	2021/S 000-006342

## Background and Scope of the Agreement

Liverpool City Council (LCC), in collaboration with the Association for Public Service Excellence (APSE), have created a multi-Lot framework which brings together market-leading suppliers of Underground Refuse Solutions and associated equipment and services in one place.

The framework is designed to be flexible to cater for an organisation's individual requirements and is available to all Public Sector Organisations across the UK.

The Underground Refuse Solutions Framework provides a compliant, competitive route to market for all underground refuse requirements.

## Local Government Chronical Awards 2023

This framework was a key element of the *Redefining "Communities" Through an Underground Revolution Programme* which won the *Future Places* sponsored by *Connected Places Catapult* category at the LGC Awards held in June 2023.



The programme was described as “A ground-breaking place transformation project with very strong impacts in terms of the improvements to the lived experience of residents, increases in recycling rates and lower operational costs. Judges were impressed with the way the project looked to global peers to identify solutions to a suite of well-articulated challenges and worked with the market to integrate and refine high-potential solutions in the Liverpool context. The solution Liverpool innovated is highly relevant and replicable to many UK councils and has rightly attracted international interest.”

## Key Benefits

The key benefits of using the Framework are as follows:

- The Framework is fully compliant with the Public Contract Regulations and offers a quick, simple, compliant route to market.
- The Framework includes a range of 14 market-leading suppliers of URS and associated products and services.
- Competitive prices.
- Direct Award and Further Competition routes to market.
- Fixed pricing options available.
- Pre-agreed Terms and Conditions.
- Flexibility to use the Framework to award the Call-Off Contracts you require.
- The Framework includes 10 SMEs.

## Who Can Use the Framework

The Framework can be used by all Public Sector organisations including the following:

- Local Authorities (including county councils, district councils unitary authorities (including those in Scotland and Wales))
- Government departments and agencies
- Local Authority Maintained Schools
- Academy Schools
- Further education colleges
- Universities and other higher education institutions
- Local Authority Companies
- Joint Authorities formed under the Local Government Acts
- Registered providers of social housing
- Non-departmental public bodies
- Blue-light services

## The Lot Structure

The Framework consist of four Lots as follows:

- Lot 1 – The Supply of Underground Refuse Solutions (URS)
- Lot 2 – The Supply of Technology Associated with URS
- Lot 3 – The Supply of Vehicles Associated with URS
- Lot 4 – The Servicing and Maintenance of URS

## Lot Descriptions

### Lot 1 - The Supply of Underground Refuse Solutions

This Lot is primarily for the supply of underground refuse solutions, but can also include associated services enabling organisations to procure a full end-to-end solution.

All systems meet all relevant European and British standards and be safe for users and collectors. For example for bottom opening, crane lift URS this would be BS EN 13071 – 1, 13071-2 and 13071-3.

Types of URS include:

- Fully underground solutions
- Semi-underground solutions
- Crane-lift solutions
- Hydraulic solutions
- Above-ground containers where they are complimentary to underground solutions

Additional services can include:

- Delivery (this is considered an optional extra as pricing is not fixed by the Framework)
- Ground work and installation
  - Excavations
  - Disposal of excess materials
  - Preparation of the excavation to accept the URS; for example, the installation of a lining
  - Connection to a power supply
  - Connection to a drainage system
  - Installation of the URS
  - Testing of the URS
  - Making good the area around the URS site
- Servicing and maintenance

When considering requirements for URS, organisations are urged to consider the following areas:

- Installation requirements
- Intended usage
- Lifting and emptying requirements
- Servicing and maintenance requirements
- Noise mitigation
- Odour mitigation
- Inclusivity and accessibility requirements
- Input receptacle and/or aperture requirements
- Waste entry points
- Waste streams to be catered for
- Recycling requirements
- Health and Safety
- Branding and colouring

Organisations may discuss their requirements with potential suppliers, and are encouraged to do so, as there are a wide range of potential solutions and service levels available.

## **Lot 2 - The Supply of Technology Associated with URS**

This Lot is for the supply of technological solutions to work alongside URS hardware and/or vehicles. Technology can be applied to new URS hardware or to existing URS hardware which is already in situ.

Technological solutions include:

- Access control systems
- Fill level sensors
- Weighing technology
- Vehicle routing systems
- Other system control technology

Suppliers on this Lot can be engaged to provide:

- Supply only
- Supply and install
- Supply, install and maintenance

Suppliers on this Lot are encouraged to work with suppliers on other Lots to provide a complete solution to meet an organisation's requirements.

### **Lot 3 – The Supply of Vehicles Associated with URS**

This Lot is for the supply of vehicles to work alongside URS hardware and/or technology. Vehicles can be supplied on an outright purchase basis or on a contract hire basis.

Suitable vehicles may include:

- Conventional rear loading Refuse Collection Vehicle styles as well as either front or side-loading options or those specifically designed for servicing underground bins.
- Vehicles can include fixed or demountable body systems; demountable systems are expected to operate on the hook loading roll-on/off system.
- Compaction is expected as the norm, although there may be specific applications where this is not appropriate.
- The load may be discharged via tipping or ejection methods.
- Options where possible that can service other container types e.g. wheeled bins (EN840-1/2/3 etc.).
- Key vehicle categories:
  - 2 Axle, vehicles; 3.5T GVW, 7.5T GVW, 12-16T GVW, 18T GVW.
  - 3 Axle, Rear Steer vehicles; 26/27T GVW.
  - 4 Axle, with at least one rear steering axle; 32/33T GVW.
  - All vehicles must meet all European and British Standards applicable at the time of purchase.
  - Vehicles should include options for diesel, CNG, electric and hydrogen power.
  - Vehicles must be right-hand drive.

- Options for in-cab telematics

### Lot 4 – The Servicing and Maintenance of URS

This Lot is the ongoing servicing and maintenance of URS solutions.

Proper servicing and maintenance of URS hardware is strongly recommended to ensure the longevity and safe operation of the hardware.

It is expected, although not always essential, that any new URS hardware will be supplied with a service and maintenance agreement. The intention for this Lot is to offer organisations greater flexibility after that initial period, but it can be used from date of installation if required.

This Lot can also be used for existing URS hardware which is already in situ.

All suppliers on this Lot are committed to undertaking servicing and maintenance in accordance with manufacturer’s instructions regardless of the manufacturer of the hardware.

### The Awarded Suppliers by Lot

The Framework includes 13 suppliers across the four Lots as follows:

Framework Lot	Suppliers
Lot 1 – The Supply of Underground Refuse Solutions	Adi Waste Systems Ltd Contenur UK Ltd ESE World Ltd Molok Oy Orwak Easi UK Ltd RSK Environment Ltd Streetspace Ltd Villiger Entsorgungssysteme AG
Lot 2 – The Supply of Technology Associated with URS	MOBA Mobile Automation Ltd Orwak Easi UK Ltd REEN Technologies Ltd RSK Environment Ltd Villiger Entsorgungssysteme AG Causeway Technologies Ltd
Lot 3 – The Supply of Vehicles Associated with URS	FAUN Zoeller UK Ltd Geesink Norba UK Limited Orwak Easi UK Ltd RSK Environment Ltd Villiger Entsorgungssysteme AG



<p>Lot 4 – The Servicing and Maintenance of URS</p>	<p>Adi Waste Systems Ltd          Contenur UK Ltd          ESE World Ltd          Orwak Easi UK Ltd          RSK Environment Ltd          Streetspace Ltd</p>
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## How to Use the Framework

- The Framework is free to access and all documentation is available free of charge.
- Review the products and services available from the Suppliers using the links on the APSE website (<https://www.apse.org.uk/apse/index.cfm/solutions/latest-from-solutions/underground-refuse/guide-to-going-underground-and-where-to-start/guide-to-the-apseliverpool-urs-framework/>).
- Download and complete the Framework Access Agreement from the APSE website and then send it to [CommercialProcurement@liverpool.gov.uk](mailto:CommercialProcurement@liverpool.gov.uk). LCC will then send you the Framework Document Pack including the Framework Pricing for Lot 1 and 2.
- *NB. If you are not subject to the Freedom of Information Act, please contact LCC on the above email address and you will be sent an alternative version of the Framework Access Agreement.*
- Review the information provided and draw up a Specification of what your require.
- Lot 1 – The Supply of Underground Refuse Solutions
  - Direct Award – If a significant portion of your requirements can be met by a single supplier, you may use the Framework Pricing and approach the supplier directly to confirm prices for optional extras such as delivery, installation and servicing and maintenance.
  - Further Competition – You can submit a Further Competition to all suppliers on the Lot including both technical and price elements. There are no restrictions on weightings to be used in Further Competition.
- Lot 2 – The Supply of Technology Associated with URS
  - Direct Award – If a significant portion of your requirements can be met by a single supplier, you may use the Framework Pricing and approach the supplier directly to confirm prices for optional extras such as delivery, installation and servicing and maintenance.
  - Further Competition – You can submit a Further Competition to all suppliers on the Lot including both technical and price elements. There are no restrictions on weightings to be used in Further Competition.
- Lot 3 – The Supply of Vehicles Associated with URS
  - Further Competition – You can submit a Further Competition to all suppliers on the Lot including both technical and price elements. There are no restrictions on weightings to be used in Further Competition.
- Lot 4 – The Servicing and Maintenance of URS

- Further Competition – You can submit a Further Competition to all suppliers on the Lot including both technical and price elements. There are no restrictions on weightings to be used in Further Competition.
- When you are ready to place an order, complete the Call-Off Contracts relevant to your requirements. This may include all, or any, of:
  - Call-Off Terms for the Supply of Goods and Services.
  - Call-Off Terms for the Hire of Vehicles.
  - JCT Minor Works Building Contract 2016 Model Form Contract.
- Complete the Framework Call-Off Award Form and send it to [CommercialProcurement@liverpool.gov.uk](mailto:CommercialProcurement@liverpool.gov.uk).

### Framework Document Pack

A Framework Document Pack will be sent to organisations once they have completed and submitted a Framework Access Agreement.

The Pack includes the following:

- Framework Agreement.
- Specification used in the framework tender.
- Call-Off Terms for the Supply of Goods and Services.
- Call-Off Terms for the Hire of Vehicles.
- Call-Off Terms for Ground Works and Installation.
  - Ground Works and Installations are to be undertaken in accordance with JCT Minor Works Building Contract 2016. Organisations are free to agree amendments to these model Terms with suppliers as required.
- Pricing Information for lot 1 and lot 2.
- URS Framework Call-Off Award Form.

### URS Advice and Guidance

APSE Solutions can provide advice and assistance to organisations wanting to know more about Underground Refuse Systems. In particular, help is available for:

- Development of planning policy and guidance
- URS feasibility studies
- URS business cases

For advice and assistance, please contact Andy Mudd, Head of APSE Solutions, on 07740 909851 or by email to [AMudd@apse.org.uk](mailto:AMudd@apse.org.uk).

### Supplier Details

Supplier Name and Address	Contact Details	Lots
<p>Adi Waste Systems Ltd 66 Melchett Road, Kings Norton Business Centre, Birmingham, B30 3HX</p>	<p>Mark Burgess 0121 451 2255 / 07771 975743 <a href="mailto:MarkBurgess@adilttd.co.uk">MarkBurgess@adilttd.co.uk</a></p>	<p>1 and 4</p>
<p>Causeway Technologies Ltd Third Floor SterlingHouse, 20 Station Road, Gerrards Cross, Buckinghamshire, SL9 8EL</p>	<p>Hywel Evans 01628 552000 <a href="mailto:Hywel.Evans@causeway.com">Hywel.Evans@causeway.com</a></p>	<p>2</p>
<p>Contenur UK Ltd Suite 189-191 Lomeshaye Business Village, Glenfield Park, Nelson BB9 7DR</p>	<p>Neil Kavanagh 07920 540397 <a href="mailto:Neil.Kavanagh@contenur.com">Neil.Kavanagh@contenur.com</a></p>	<p>1 and 4</p>
<p>ESE World Ltd Sapphire House, Crown Way, Rushden, Northamptonshire, NN10 6FB</p>	<p>Kirsten Guest 01530 277900 <a href="mailto:K.Guest@eseworld.co.uk">K.Guest@eseworld.co.uk</a></p>	<p>1 and 4</p>
<p>FAUN Zoeller UK Ltd 4/5 Colemeadow Road , North Moons Moat , Redditch , Worcestershire , B98 9PB</p>	<p>Angela Young 01527 594722 <a href="mailto:Angela.Young@faun-zoeller.co.uk">Angela.Young@faun-zoeller.co.uk</a></p>	<p>3</p>
<p>Geesink Norba UK Ltd Cromlin East, Forest Farm Industrial Estate, Longwood Drive, Cardiff CF14 7YU</p>	<p>Dave Hughes 01443 222301 <a href="mailto:Sale.UK@geesinknorba.com">Sale.UK@geesinknorba.com</a></p>	<p>3</p>
<p>MOBA Mobile Automation Ltd Unit 6 Spring Hill Road, Park Springs, Barnsley, South Yorkshire, S72 7PD</p>	<p>Stuart Sargeant 01226 444250 <a href="mailto:SSargeant@moba.de">SSargeant@moba.de</a></p>	<p>2</p>
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<p>Orwak Easi UK Ltd 19 Hainge Road, Tividale, Oldbury, Birmingham, West Midlands B69 2NR</p>	<p>Alan Craddock 07738 487446 <a href="mailto:ACraddock@orwakeasi.co.uk">ACraddock@orwakeasi.co.uk</a></p>	<p>1,2, 3 and 4</p>
<p>REEN Technologies Ltd 13e Main Street, Keyworth, Nottinghamshire, NG12 5AA</p>	<p>Andrew Crofts 07884 550704 <a href="mailto:Andy.Crofts@reen.com">Andy.Crofts@reen.com</a></p>	<p>2</p>
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### Framework Pricing

Pricing information is available Lot 1 and Lot 2 and will be provided following the completion of a Framework Access Agreement.

All prices exclude VAT.

Pricing information may change on each anniversary of the Framework.

Pricing information is not available for Lot 3 and Lot 4 as these lots are Further Competition only.