

ZeroWISE ERDF Bulky Waste Action

Funded by European Regional Development Fund & South East England Development Agency



ZeroWISE Bulky Waste Project is a three-year South East-wide initiative (2009-2011) aimed at reducing the volumes of waste going to landfill by finding recycling, re-use and energy-from-waste solutions for bulky waste streams from public and private sector sources.

The project is funded by the European Regional Development Fund (ERDF) and the South East England Development Agency (SEEDA) is being managed by Remade South East to identify outlets for waste streams which currently have restricted markets. In achieving this objective SMEs will be providing innovative solutions for significant volumes currently being sent to landfill.

This work will identify a minimum of 6 new waste markets and result in 30,000 tonnes of waste being diverted from landfill.

Benefits:

- Assists local authorities and other organisations to meet recycling targets
- Supports SMEs to develop new business models
- Prolongs life of landfill sites in the South East
- Returns energy from contaminated items
- Boosts social enterprise by encouraging re-use schemes
- Supports new markets for waste resources

FREE assistance is being provided to Small to Medium Enterprises (SMEs) through 4 work packages:

1. Research and Development:

Remade will conduct a bulky waste survey in East Sussex and Medway to identify the key waste streams and to assess the amounts and volumes being recycled or sent to landfill. Solutions for bulky waste from other countries will also be examined.

The partnership will conduct research across the South East to gauge impact on landfill and assess options of alternative activities. Likely areas covered will be:

- a. Domestic waste arisings from Household Waste Recycling Centres (HWRCs) for bulky waste items (build on Kent survey completed by MEL Research)
- b. Commercial waste arisings of bulky items from hospitals, universities and other large organisations and companies.

Measuring the following:

- Methods of collection
- Types of materials
- Weights of materials
- Volumes of items
- % of total waste stream
- Current re-use and recycling taking place
- Current disposal methods
- Range of contractors accepting the material
- CO₂ footprint of recycling and disposal methods

Support Available	Deliverer	Area	Contact
Market Development	Remade South East	South East	David Trice 01732 876614 d.trice@remade-southeast.co.uk

2. Trial Activities:

Conduct trial activities to establish large scale markets for carpets, mattresses, bulky plastic items, treated wood, plasterboard and furniture.

The project team will carry out trial activities over three years to develop markets for materials such as carpets, mattresses, waste wood (treated), bulky plastic items, furniture and plasterboard.

The partnership will work with SMEs on developing methods for pre-processing and reprocessing of materials for new end markets. This includes encouraging improvements to the collection and handling of bulky waste items from HWRCs and commercial sites. Processes supported will include shredding, chipping, metal extraction, bulking and granulation.

Partners will work with clusters of businesses to engage in experimental trials. These businesses will take forward specific market research in order to identify solutions and markets.

All of the project partners will be involved in this work package: Remade South East, Medway Council, East Sussex County Council, MDJ Light Brothers, Neighbourhood Furniture Store, Countrystyle Recycling, Ball Contractors and Kingsnorth Waste Management. Each partner has unique knowledge of the waste markets and has a network of contacts across the region to engage in the material trials.

As a result of these market trials, 30,000 tonnes of bulky waste will be diverted from landfill.

Support Available	Deliverer	Area	Contact
Market Development	Remade South East	South East	David Trice 01732 876614 d.trice@remade-southeast.co.uk
Local Authority	Medway Council	Medway	Stephen Baker 01634 333164 stephen.baker@medway.gov.uk
Local Authority	East Sussex County Council	East Sussex	Guy Stapleford 01273 482310 guy.stapleford@eastsussex.gov.uk
Waste & Recycling Management	MDJ Light Brothers	U.K Wide	Phil Burgon 01273 476862 phil.burgon@lightbros.co.uk
Social Enterprise (furniture re-use)	Neighbourhood Furniture Store	Swale and Medway	Vance Gilks 01795 478550 vance.gilks@amicushorizon.org.uk
Waste & Recycling Management	Countrystyle Recycling Ltd	South East	Andy Sibley or Richard Lloyd 0844 880 7700 andy.sibley@countrystylegroup.co.uk richard.lloyd@countrystylegroup.co.uk
Construction & Waste Management	B Ball Contractors Ltd	South East	Anthony Ball 01233 628743 anthony.ball@bbrb.co.uk
Plastics Recycling	Kingsnorth Waste Management Ltd	South East	Carol Blake 01634 253557 kingsnorthwaste@yahoo.co.uk

3. Trial Collections:

Operate a trial collection of bulky items from households and businesses

The project team will engage with SMEs and social enterprises to test new business models for bulky waste collections.

The partnership will establish the operation of separate collections for reusable bulky waste which is independent from existing contracts (e.g. on HWRCs). Options for a commercial bulky waste collection point will also be assessed.

The project will encourage SMEs and social enterprises to test business models for this activity in order to ensure the removal of bulky items while they are still in a serviceable condition.

Deliverables will be:

- Develop new markets for SMEs and social enterprises
- Conduct case studies on examples of best practice
- Create better links with existing social enterprise networks
- Explore the potential of doorstep collections from households for bulky items

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4. Energy from waste solutions:

Explore energy from waste solutions for heavily contaminated items such as carpets, mattresses and soft furnishings.

Options will be explored and trials conducted to identify the most economic and environmentally beneficial option for generating energy from contaminated bulky items.

Based on previously conducted shredding trials, Remade South East will continue this research and will explore the potential for shredding larger quantities of carpets along with mattresses and furniture and run similar incineration trials. The aim of which would be to develop a business model which is economically viable.

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5. Promotion and awareness:

Deliver promotion and awareness raising sessions on bulky waste for participating organisations over the three years

The project partners will run five awareness raising sessions on bulky waste for participating organisations over the three years. It is anticipated that 180 SMEs and organisations will be reached in this way.

Project partners will be required to present the findings of the project work and to advise businesses on potential opportunities for collaborative working to create a network of re-use and recycling facilities for bulky waste.

Promotional events will be aimed at local authorities, businesses, social enterprises, SME's, producers and collectors in varying locations throughout the South East.

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