

Remade South East

ZeroWISE Sustainable Construction Project

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Background

- South East construction worth approx. £18bn/annum
- 27% of all construction companies, approx. 37,000 in number, and employs 300,000 people
- 50% new build (inc. refurbishment)
- 50% repair and maintenance
- More major infrastructure projects than other UK regions
 - Olympics
 - Crossrail
 - Wembley Stadium
 - QE2 Bridge at Dartford
 - Channel Tunnel





- Average 6 yard skip costs £150 to collect
- The value of the material thrown away and resource cost to fill the skip = £1,200!!
- On average, 6 tonnes of waste is produced for each house built, or
- For every 12 houses built, one house is thrown away!!
- For every £100,000 of build cost the contractor spends £3,500 on waste collection





Site Waste Management Plans

- Overall objective: to reduce waste sent to landfill and fly tipping
- Legislation set out in the Clean Neighbourhoods & Environment Act
- Backed up by increased powers and fines for fly-tipping
- DEFRA targeting projects over £300,000 build value
- It will help you by detailing how to comply with relevant legislation and to identify avoidable costs
- Regulations came into force April 2008
- Industry uptake currently 40-45%

Zerowise Sustainable Construction

4 work packages:

- WP1 Site Waste Management Plans and waste audits
- WP2 Better links between construction and waste sectors – focusing on reuse
- WP3 Training and awareness raising
- WP4 Publicity campaign



- Partnership delivery across the SE (13 partners)
 - 3 subcontracted partners
- Remade is lead partner/co-ordinator
- Delivery will be made through four business clusters (includes development growth areas and pockets of lower economic performance).
 1. Brighton and East Sussex
 2. Ashford, East Kent and Thames Gateway
 3. Hants and Isle of Wight
 4. Oxfordshire

WP1 Site Waste Management Plans

WP1 SWMPs and waste audits

- 75 SWMPs
- 75 waste audits
- 80,000 tonnes diverted
- 10 Case studies
- BRE Smart Waste Plan
- Data collection on industry
- Change in business culture
- Compliance with regulation



WP2 Better links between construction and waste sectors

WP2 Brokering better links between the construction and waste sectors to encourage reduction, reuse and recycling of waste

- Engage with 20 SMEs and social enterprises
- Trials of different business models
- Encourage economies of scale
- Developing Re-use networks
- 8 end markets for construction waste materials
- Additional 20,000 tonnes diverted
- 5 case studies





WP3 Training and awareness raising

WP3 Training and awareness raising:

- Open to companies across the whole SE region
- 60 specialised training sessions will be carried out
- 500 trainees (from 250 SMEs) from construction and waste sectors

Training will be delivered as follows:

- 22 SWMP awareness events (SECBE and Olive Consultancy)
- 10 on-site toolbox talks (Remade South East)
- 10 SWMP training events for planners, architects and engineers (Olive Consultancy)
- 9 training sessions on sustainable groundworks (WD Consultancy)
- 9 training sessions on pre-demolition audits (BRE)





WP 4 Publicity

WP4 Publicity

A publicity campaign based on raising awareness of sustainable best practice within the construction industry will be conducted. The programme will be promoted through targeted media relations activities nationally, regionally and locally.

Deliverables:

- Targeted press releases
- 5 networking events will be held in four cluster areas (total 500 delegates from 250 SMEs).
 - Brighton and Hove
 - Ashford and East Kent
 - Hants and Isle of Wight
 - Oxfordshire



Pioneering new markets for waste resources

For more information please contact:

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