



## Eggersmann | Anlagenbau

Eggersmann Anlagenbau offers turnkey system solutions based on both mechanical and organic waste recovery techniques.

Leaders in the supply of both the 'mechanical' and 'biological' stages of MBT, Eggersmann separates waste by composition and particle size to recover raw materials in an effective and efficient way.

The design of each system is based on a detailed analysis of the waste stream and the required quantities of recycled raw material.

From the planning phase onwards, Eggersmann precisely calculates input quantities for the design of mechanical and biological processing systems. The comprehensive knowledge and expertise of Eggersmann engineers is combined with specialist biological and mechanical knowledge in order to develop effective solutions.



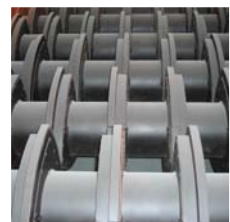
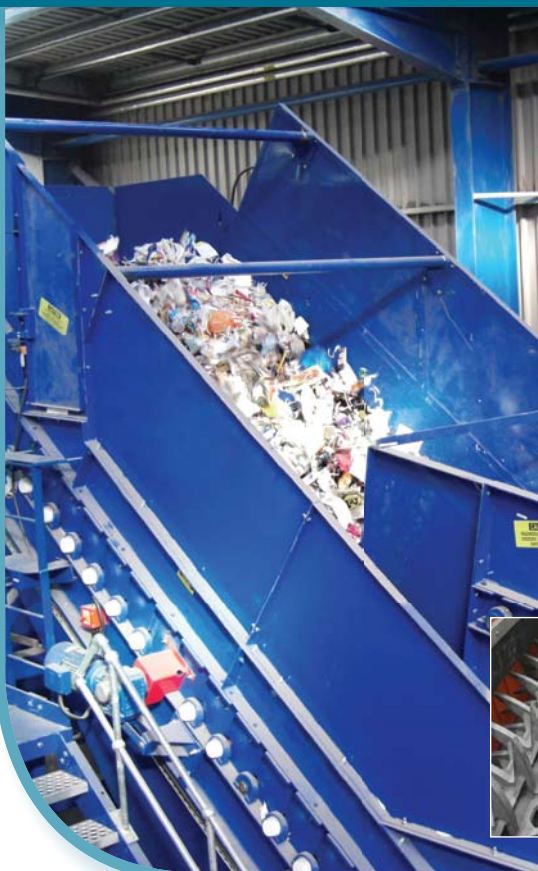
## BHS BulkHandling SYSTEMS

Bulk Handling Systems (BHS) is a leading supplier and manufacturer of innovative waste recycling systems and equipment, including patented in-line disc screen technology, bag breakers and optical sorting equipment.

The BHS product range is successfully operated in a wide variety of material types within the waste processing industries.

The real advantage of BHS products are highlighted when processing dry recyclables in a MRF.

The unique patented BHS in-line disc ensures accurate material separation with high product recovery and purity levels, automatically removing cardboard, news and pams, mixed paper, containers and glass in extremely homogenous streams.



## Kaizen Recycling

# Kaizen Recycling news



Kaizen Directors, from left to right: Richard Mawson, Jonathan Fallon and Duncan Bowett.

## a successful year

Kaizen Recycling have enjoyed a fruitful 2007/8 securing major contracts within a cross section of the waste industry. With projects ranging from full turnkey installations to major system upgrades and modifications, Kaizen have reported success in several of the major waste processing markets.

Within this newsletter we would like to share with you our successes over the last year and future capabilities offered by Kaizen Recycling and its partners, Eggersmann Anlagenbau and Bulk Handling Systems (BHS).

## visit us at rwm 2008

Kaizen will again be exhibiting at the RWM exhibition at Birmingham NEC (16-18 September 2008) with our partners Eggersmann Anlagenbau and Bulk Handling Systems (BHS).

The 78m<sup>2</sup> stand will showcase Kaizen's successes over the last year with focus on three major progressive markets:

- Co-mingled Dry Recyclables separation systems
- Construction & Demolition / Commercial & Industrial Waste recycling systems
- 'Mechanical Biological Treatment' waste facilities for 'Municipal Solids Waste'

We look forward to discussing your project with you.



rwm stand 601

'Innovate, educate and equip'

## inside...



Bywaters  
Dry Commercial Waste



LSS  
Construction & Demolition Waste



RWM  
Commercial & Industrial Waste



Grundon  
Dry Co-mingled Recyclables



Holystone  
Construction & Demolition Waste



Swansea CWDC  
Dry Co-mingled Recyclables



# our projects

'A professional, innovative  
of recyclable material from



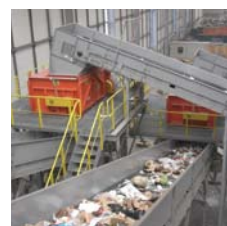
**Bywaters Limited** - Bromley by Bow,  
East London  
**Dry Commercial Waste** - 30 TPH @ 200 kg/m<sup>3</sup>  
**Commissioned** - March 2008

## bywaters

Bywaters' cutting edge Materials Recovery Facility (MRF) has been opened by the new Mayor of London, Boris Johnson, and Mayor of Newham, Sir Robin Wales. With an input capacity of up to 250,000 tonnes of dry commercial waste per year, it is the largest undercover MRF in the capital and is just a few miles from Canary Wharf and the City.

The system incorporates the latest technologies including Bulk Handling Systems (BHS) bag breakers and in-line disc screen technology to maximise fibre recovery, NIR optical sorting of plastic containers, plus ferrous and non-ferrous container recovery.

A turnkey project by Eggersmann Anlagenbau, the system is achieving remarkable recovery and purity rates at high tonnages.



**LSS Waste Management** - Leeds, West Yorkshire  
**Construction & Demolition Waste** - 60 TPH @ 800 kg/m<sup>3</sup>  
**Commissioned** - October 2007

## lss

Kaizen Recycling have recently designed, supplied and fully commissioned a trommel fines upgrade system for LSS Waste Management of Leeds, one of the largest skip hire and waste recycling companies in the North of England.

Using an Overband Magnet, Stretch Deck Screen and Air Separator, the 0 - 65mm material is separated into five separate fractions.

Due to changing legislation and the demand for superior inert cover material for landfill, the system installed ensures market longevity of outgoing materials, producing a stone fraction already certified as a 6F2 recycled aggregate and a -10mm inert fraction. The lights recovered are suited as a refuse derived fuel product providing LSS options in the future to maximise waste diversion from landfill.



**AWM Limited** - Bradford, West Yorkshire  
**Commercial & Industrial Waste** - 50 TPH @ 500 kg/m<sup>3</sup>  
**Commissioned** - July 2008

## awm

Bradford based waste management company, AWM Limited, have installed a highly sophisticated MRF processing up to 50 TPH of Light Commercial & Industrial waste (C&I) collected from FEL's, REL's and general skip services.

The system maximises the recovery of key commodity products whilst minimising the percentage sent to landfill. The system also complies with the new stringent waste directives.

The waste is discharged into 12 separate product bays and processes over a 100m<sup>3</sup>/hr of waste using only 10 manual labourers.

Light C&I waste is notoriously difficult to process, however, AWM are achieving a recycling rate in excess of 95%.



# approach to the separation and recovery the major waste processing markets.'



## grundon

Grundon Waste Management	- Leatherhead, Surrey
Dry Recyclables	- 22 TPH @ 230 kg/m <sup>3</sup>
Commissioned	- October 2007

Grundon Waste Management have upgraded their existing system with technology provided by US company Bulk Handling Systems (BHS). The BHS retrofit is part of an extensive modification to the existing Leatherhead MRF and is based on a number of patented in-line disc screens which have replaced the existing trommel based technology.

BHS also installed a fines clean up system to maximise recovery of glass which can be up to 20% (by weight) of the incoming dry recyclables material.

The retrofit has more than doubled throughput capacity and reduced the labour count by over 50%, whilst also having the ability to accept glass within the co-mingled collection.



## holystone

Holystone Waste Management	- Newcastle, Tyne & Wear
Construction & Demolition Waste	- 40 TPH @ 800 kg/m <sup>3</sup>
Commissioned	- July 2008

Kaizen Recycling have installed a trommel fines upgrade at Holystone, Newcastle. The -40mm fines plus other fines from similar Construction & Demolition systems are loaded into a common dosing hopper.

The fines pass through a magnet, stretch deck screen and air separator to separate the material into four sub fractions:- 0 - 10mm inert fines, 10 - 40mm stone, 10 - 40mm lights and 0 - 40mm ferrous.

By automating the separation of their existing trommel fines, Holystone have ensured market longevity of their processed materials by producing a clean aggregate, ferrous and inert products.



## swansea cwdc

Swansea CWDC	- Swansea, South Wales
Bagged Dry Recyclables	- 16 TPH @ 230 kg/m <sup>3</sup>
Commissioned	- August 2008

Swansea City Waste Disposal Company Limited have recently installed two Bulk Handling Systems (BHS) Bag Breakers for their existing dry recyclable MRF.

Each bag breaker will open in excess of 8 TPH of unopened plastic bags without any degradation to the materials within. This allows maximum recovery and availability of the commodity products within the bagged material.

The automated bag opening function also allows for a safer working environment, preventing the use of knives and splitters being used by manual labour staff.

