

Why Recycled Aggregates?

- Growing pressure on producers of aggregates to reduce the consumption of primary aggregates.
- EU commitment to ensure 70% of all Construction and Demolition waste is recycled by 2020, Recycling construction & demolition material offers contractors the opportunity to turn cost into profit.
- Compelling business opportunity.
- Offers a quick return on investment.

As part of our service we will work through the various costs of installing a C&D waste recycling plant and show you how quickly you will have achieved 100% return on investment.

Further Information Sources

CDE PRODUCT GUIDE

This gives a detailed features and benefits analysis of all items of CDE equipment and is available for download from

CASE STUDIES

Numerous project case studies are available which outline our major installations in detail at

VIDEOS

We have videos available of some of our major installations and these can be obtained by contacting us. Details can be found below.

WEB SITE

Our web site contains extensive information on our range of products and services as well as more detailed product information. You will also find an extensive downloads section offering free access to a wide range of industry information.

PRESENTATIONS

We offer a series of presentations to clients considering recycling installations, outlining the reasons why CDE remain the number one choice. Contact us to arrange a presentation at your offices.

CONTACT DETAILS

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Recycling Systems for Construction and Demolition Waste



Generating Profit from Waste

WHY CHOOSE CDE SYSTEMS?



GASKELL BROS, WARRINGTON, ENGLAND

Plant Installed 2005

This CDE recycling plant is located on the site of a former quarry at Winwick, near Warrington. The majority of the material brought in is building, demolition and public service waste from the surrounding Liverpool and Manchester areas. The system manages a widely varied feed stock such as plastics, paper and polystyrene in addition to organic contaminants such as soil, clay and wood.

Mike Broad, Gaskell Bros

"I believe that this is the most advanced recycling system available. I know of no other manufacturer capable of delivering such a complete system, specifically designed around my individual feed characteristics and output requirements. CDE offered the only complete turn key package."

COLEMAN & CO, BIRMINGHAM, ENGLAND

Plant Installed 2005

The installation of a recycling plant at Coleman & Co's site in Birmingham has been recognised throughout the industry as an outstanding achievement due to its location. The site is located in the centre of an industrial and residential area and recycles C&D waste to produce high quality recycled sand and gravel sized aggregates. Key to the success of this installation is the water treatment element of the plant, provided by CDE, without which the plant would not exist. Without the inclusion of CDE's Rotomax logwasher, Aquacycle thickener and CDE Diemme Filter Press, the requirement for ponds at the site would have rendered the project impossible to complete. The various CDE water treatment elements ensure that the space required for the installation is kept to a minimum and the health and safety concerns of ponds are eliminated – essential given the urban location of the site.



Mike Coleman, Coleman & Co

"CDE worked closely with us to tailor this system to our particular process requirements. Their fines recovery, water and waste management system is critical to the overall performance of the complete system. They introduced considerable expertise to the overall plant design and project management elements, in my opinion offering the most complete service available. On final commissioning of the system, their back up and product support has never been brought into question."



DERWEN CONSTRUCTION, SWANSEA, WALES

Plant installed 2007

This CDE recycling plant was the first of its kind in Wales and offers a viable alternative to waste disposal and landfill sites. The majority of the feed stock originates from Greenfield excavations and rock overburden, which is normally sent to landfill. This material is now processed by the CDE plant at a rate of 150 tph, producing high quality, washed, sustainable aggregates which conform to British & European standards.

WATER TREATMENT

As with any washing plant, properly managing the waste water is critical, and in recycling systems this presents a technical challenge in view of the highly varied feed stock.

CDE's water treatment systems are proven to deliver outstanding results in terms of the recovery of as much water as possible, thus further improving the sustainability of a CDE recycling operation.

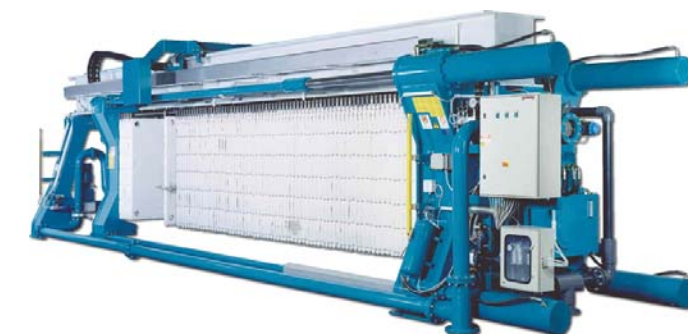


Aquacycle High-Rate Thickeners

- Rapidly settles excess fines to form a dense sludge
- Clean water is then returned to the plant, massively reducing the fresh water requirement
- Drastic reduction in pond area and maintenance
- Minimum space requirement
- Fully automatic
- Highly efficient automated polyelectrolyte dosing

Filter Press

- Completes the water recycling circuit
- Dry, easily managed cake output is the only by product of the plant
- Eliminates requirement for ponds, thus reducing space required
- No ponds = less health and safety risks
- Capable of 24hr unmanned operation
- Maximum water recycling



FULL CDE RECYCLING PLANT

