

PRIMARY AGGREGATES



MAXIMISING SAND & AGGREGATE RESOURCES

In 2014, the United Nations Environment Programme published a report titled “Sand, Rarer Than One Thinks,” which concluded that the mining of sand and gravel “greatly exceeds natural renewal rates.” To combat this, we develop solutions in partnership with our customers to ensure that supplies of natural sand and aggregates are maximised and protected.

We maximise resources by continually developing the most advanced wet processing equipment to extract in-spec natural sand and gravel from clay-laden or contaminated materials.

The technology behind our compact sand plants such as the EvoWash™, as well as larger modular plants such as the M-Series™, enables quarry and mine operators to achieve optimal yield while respecting the environment.

We work with aggregate suppliers which previously produced hundreds of thousands of tonnes of waste per year. Our innovative solutions have enabled customers all around the world to reuse materials from quarrying, scalping and dredge waste in new applications.

We work with customers to design a solution together for their scalping, quarrying or dredge waste products.

By creating a solution that is specific to the waste, and the customer’s site, we ensure that the maximum amount of valuable product can be extracted for reuse.

Our technical pre-sales process ensures you have the right equipment for your needs, to produce the best product / Control of silt points / Consistent product specifications.

70%

REDUCTION IN NET EMISSIONS

400

TPH

6

SAND AND AGGREGATE PRODUCTS SUPPLIED to both major aggregate companies and smaller independent businesses

LONGCLIFFE QUARRIES DERBY, UK

Longcliffe Quarries are recovering up to six different products from heavily contaminated limestone scalpings. The CDE plant is producing a clean product that Longcliffe Quarries are able to turn into a higher value industrial material. This has led to a significant 12% reduction in the quarry’s load and haul fuel usage and follows an almost 70% reduction in net emissions recorded at the quarry since 2014/15.

The quality of the washed aggregates has created new commercial opportunities for Longcliffe Quarries.

BREEDON GROUP NORTH CAVE, UK

The desire to achieve a fully sustainable and efficient solution that would meet the demands of the market for a clean sand and gravel product underpinned Breedon Group’s decision to invest in a CDE solution once again.

Breedon Group consolidated 3 wash plants into 1 CDE wash plant to make operations more efficient and are processing 400 tph as a result.

SRC GROUP COLCHESTER, UK

The 150tph washing plant from CDE was installed in September 2012 at Highwood Quarry and is still successfully processing natural sand and gravel from contaminated clay laden materials.

SRC Group have since invested in 8 CDE wash plants, demonstrating the effectiveness of the systems in producing clean and valuable materials.

QUARRYING SOLUTIONS

The technology behind our compact quarried aggregate plant items such as the EvoWash™ and AggMax™ has led the industry to redesigning materials processing systems for quarry and dredge operators alike to achieve optimal yield while respecting the environment and enhancing health and safety on site. Our solutions are full intergartearable into existing systems to improve the efficiency of the process over the long term.

Maximise water efficiency

Integrated AquaCycle™ and Filter Press ensures up to 95% of process water is recycled for immediate re-use in the system.

Can reduce the costs associated with creating and maintaining lagoon systems.

Peripheral weir

For overflow of recycled water for recirculation to your system.

Five processes, one machine

The AggMax™ combines pre rinsing screen, scrubbing, upward flow, trash removal, material sizing and washing on a single chassis.

This modular solution can be incorporated into an existing process as well as included as part of a new solution.

Mobile stockpilers

Allows increased stockpiling capacity with simple manual operation.

Sludge management

Automatic sludge discharge function and integrated pump.

Toughest on materials

Industry-leading durable primary feeding and screening system designed to deal with and prepare the most difficult materials.



Customer-focused design

Full walkway access to all maintenance points for essential plant inspection & maintenance, maximising productivity.

Easy to Integrate

Modular with 'Plug and Play' connectivity makes CDE solutions easy to integrate into existing processes to improve efficiency of your current set up.

Moisture content control

Cyclone and dewatering screen technology gives optimal final product moisture control.

Cut point efficiency

Industry-leading cyclone technology delivering unrivalled control of silt cut points and product specification.

Proven to perform

World-class scrubbing action is proven to deliver results in the most clay-bound and difficult of materials and reduces cost of ownership.

Maximise screen life

Patented Trilogy™ side wall construction for increased strength while eliminating unnecessary weight.



BUILDING BETTER TOGETHER

Over the last 30 years, we have designed and installed over 2,000 wet processing solutions. See a selection of our latest cutting-edge projects, developed in collaboration with our customers.

LONGCLIFFE QUARRIES UNITED KINGDOM

“As we move towards a more circular driven economy, it’s vital that the industry continues to adapt. Our investments in renewable energy and this wet processing plant demonstrate our commitment to sustainability”

Viv Russel,
Group MD

BREEDON GROUP UNITED KINGDOM

“Working with CDE has been an exceptional success – from initial presentations, through the procurement process, installation and the final commissioning”

John Neesahm,
Area Manager

COLLIER MATERIALS UNITED STATES

“We needed advice and support with replacing a wet processing line that wasn’t working out for us – it was a similar system, but not quite of the same caliber and hadn’t been custom designed to cope with our raw feed.”

Kevin Collier,
CEO

LONESTAR AGGREGATES UNITED STATES

“I’d highly recommend CDE, you just give them your problems and they give you solutions.”

Thomas Playfair,
Director

LINDSEY AGGREGATES UNITED STATES

“To us, CDE were clearly expert process engineers rather than sales men selling a product.”

Warren Vandish,
Owner



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