EVOQUIP®
A TEREX BRAND

CONSTRUCTION AND DEMOLITION RECYCLING

THINK GREEN,
THINK EVOQUIP

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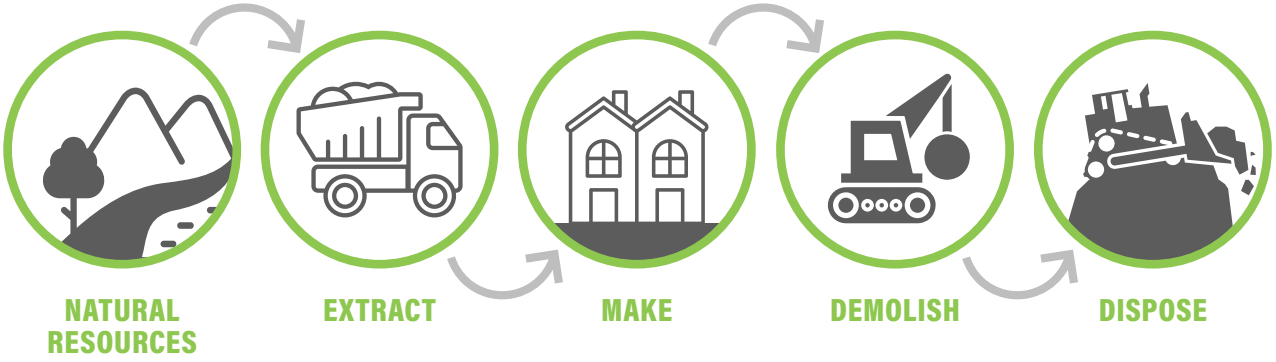
CONSTRUCTING A SUSTAINABLE FUTURE

Construction and Demolition (C&D) waste consists of debris from building projects and generally contains a wide variety of heavy materials such as brick, concrete, sand, soil, and many others. If correctly processed, these materials can be recovered and used as secondary aggregates or can be recycled.

The recycling of C&D waste plays an integral role in the circular economy, which prioritises the reuse of materials and limits the over-reliance of natural resources and the number of usable materials that end up in landfill. Whether it is building roads, homes or skyscrapers, the construction industry is shifting towards the circular economy to minimise its global impact and conserve natural resources.

Linear Economy



Circular Economy

BENEFITS OF RECYCLING C&D WASTE

Reduces Carbon Footprint
by decreasing air, water, and soil pollution associated with waste disposal, and by creating raw materials that lower the need for energy-intensive extraction and processing of virgin resources.

Reduces Reliance on Raw Materials
by reusing materials such as wood, concrete, metal, and aggregates in new construction projects.

Minimises Waste
by diverting material from landfills.

Contributes towards Circular Economy
by returning previously used construction materials back into the industry.

Reduces Costs
associated with disposing waste.

Generates Revenue
through the sale of recovered materials.

Provides New Business Opportunities
by capitalising on demand for sustainable/recovered construction materials that might otherwise have gone to landfills.

Provides a Healthier and Safer Environment
for waste management workers and for communities near landfills.

Protects Ecosystems
by reducing habitat destruction and minimising the environmental impacts of resource extraction.

Instils Environmental Stewardship
by being seen as a leader in ethical waste management processes.

MAXIMISING RECOVERY FROM C&D WASTE

The process of recycling C&D waste involves several steps to transform debris into usable materials. Our material handlers can feed complex, mixed C&D material into downstream processing equipment, such as crushing and screening equipment and shredders. This downstream collection of equipment then size-reduces, washes, and separates the material into stacks of uniform material that can be repurposed or recycled.

COLLECTION AND TRANSPORTATION

Mixed C&D waste is hauled from demolition or construction sites to a recycling facility.

MATERIAL HANDLING

Waste is transferred to designated areas for further processing.

PRE-SORTING AND SEPARATION

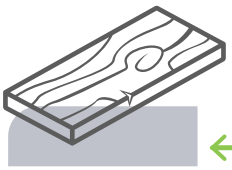
Mixed C&D waste undergoes a sorting process to separate it into various materials, such as concrete, brick, wood, metal, and asphalt into individual piles.

CRUSHING AND SCREENING

Large chunks of concrete, asphalt, and masonry get crushed, ground and sized into smaller, more manageable pieces.

METAL SEPARATION

Powerful magnets or eddy current separators are used to isolate metals from the other materials.



WOOD PROCESSING

Wood waste is chipped or shredded into smaller pieces. This processed wood can be used for fuel, mulch, or even the production of engineered wood products.

WET PROCESSING

Contaminants are removed to create high-quality recycled aggregates. After washing, the materials are dewatered and stockpiled according to size and composition.

REUSED

The recycled material can be used in new construction projects, instead of relying on natural resources.

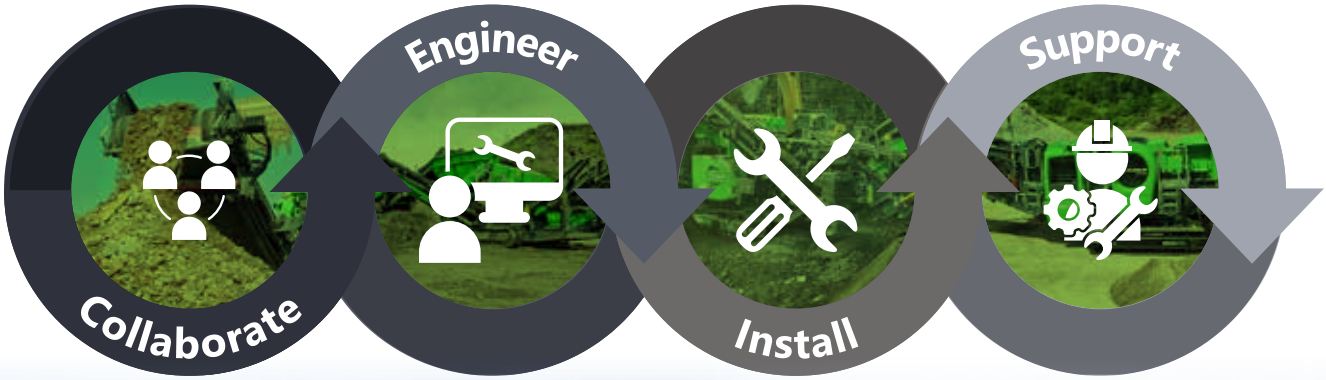
MAKING WASTE WORK

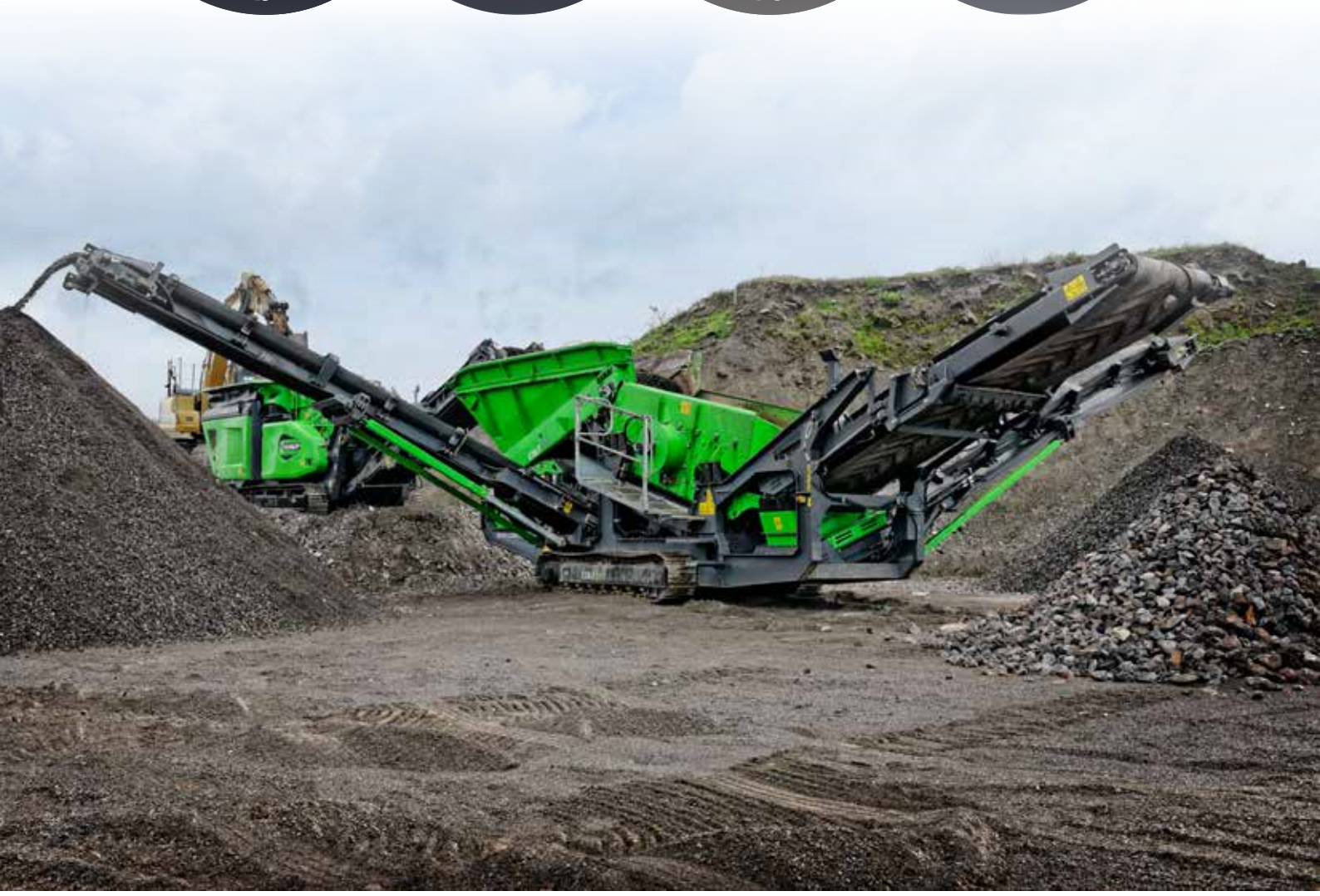
At EvoQuip, our unique strength lies in our comprehensive range of products that supports recycling, reuse, and waste processing - turning waste into useful material and reducing reliance on naturally occurring raw materials. The following examples illustrate different types of C&D waste and the range of products that can be used to process them.

HOW WE CAN HELP

We understand the complexities of crafting a streamlined and efficient C&D waste recycling process and take a collaborative approach, working closely with you to define your specific needs and goals.

To guarantee long-term success, we provide ongoing support, from spare parts to troubleshooting to maintenance, so your C&D waste recycling operation runs at peak performance throughout all stages.





SUSTAINABILITY AT EVOQUIP

We make a positive impact on the environment by designing resource-efficient solutions and actively reducing our environmental footprint. Through innovation and collaboration, our vision remains forward-looking, and we aim to be a catalyst for change, inspiring others to build a better world for generations to come.

Sustainability

Innovate

We are committed to designing products and offering solutions that enable our customers to operate in sustainable ways. Our innovations focus on reducing carbon emissions, increasing waste processing, and advancing resource reuse - contributing to a better planet, better business, and better future.

Operate

We implement sustainable practices across our locations to minimise our environmental impact and support a healthier planet for current and future generations. We assess our supplier and distribution partners based on their sustainability practices.

Experience

Decades of engineering, design, and manufacturing excellence.

Electrification

A range of our product offering is available in electric and/or hybrid options.

Mobile Concept

The mobile nature of many of our products decreases carbon footprint by reducing unnecessary material handling such as hauling and loading, as well as improving the ability to recycle and reuse material at point of use.

Telematics

Real time monitoring giving actionable data for most efficient operation of assets.

Fuel Efficiency

Highly efficient drive-line designs mean lower fuel consumption.

Conveyors

Reduces double handling of material, lessening requirement for wheel loaders.

33%

33% of Terex MP 2022 sales derived from products used for waste, recycling and environmental applications.

$

$8.3m in funding by the UK Department for Energy Security and Net Zero to decarbonize off-road mobile machinery.

Network

Global distribution network providing localised support.

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