Top of the bucket list

ALLU TACKLES CONSTRUCTION AND DEMOLITION WASTE IN A SNAP, TRANSFORMING RECYCLING AND SUSTAINABILITY CREDENTIALS.

Australia's circular economy ambitions, and a push to recover 80 per cent of all waste by 2030, requires a buy-in across all industries.

Construction and demolition waste accounted for more than 25 million tonnes of waste in Australia in 2020-21, according to the National Waste Data hub. Of that, five million was disposed.

There's potential within the industry to recover more resources, says Sami Rahman, ALLU Area Manager.

"Sustainability and recycling are key to success going forward," Sami says. "The industry and job sites are changing. While the industry has embraced recycling, and the use of environmentally friendly construction materials has helped to reduce what's sent to landfill, the scale of demolition and construction activities means there is still a large amount of waste that must be dealt with.

The ALLU DS3 screener makes light work of wall plaster waste.

"The ALLU products range gives business the tools to become more efficient and productive."

ALLU equipment allows businesses to process and reuse material on site, reducing haulage costs. Additionally, there is no need for both a wheel loader or excavator and a crusher or screener on site – the ALLU Transformer screening and crushing buckets can crush, pulverise, aerate, blend, mix, separate, feed and load materials.

Sami describes it as converting a base machine, in this case an excavator, into a mobile processing plant.

"With versatility at its core, the Transformer will process just about anything it encounters," he says. "Including construction debris, concrete, topsoil, and excavated soil.

"Using the machine this way means less investment and operating costs, a smaller carbon footprint and lower transportation costs. Because the waste is being transformed into a reusable product, it also opens opportunities for an added revenue stream.

"ALLU technology makes operations more productive, environmentally friendly and profitable."

Sami says that despite the equipment being available to recycle waste, many construction and demolition companies don't handle material processing themselves. They either sub-contract the recycling out to someone else, or it's hauled away to a recycling plant.

He says this is a serious cost to a construction and demolition

company, and a potential waste of valuable materials.

Recycled materials have been used in road bases and aggregates for non-structural concrete applications for some time. While research continues into its use for structural purposes, many governments are now mandating the use of recycled products to reduce the need for virgin materials.

Victoria's Recycle First policy mandates that recycled and reused content is integrated into all future transport projects across the state. In South Australia, the Waste and Recycling Industry Association has developed a partnership to promote the circular economy and use of recycled content, including aggregate.

Sami says that if waste material can be satisfactorily processed, then it can be reused or sold. If this can be done 'on-site', it's more efficient and sustainable.

One solution to deal with waste at source is the ALLU D-Series or ALLU AC Crusher. These attachments crush soft and brittle material and separate hard unwanted impurities while loading a dump truck or stockpiling system.

"This makes them ideal for processing waste," Sami says.

For the past 30 years, ALLU has designed, manufactured, and sold products that help customers add value to waste.

Driven by customer needs, the equipment has evolved over the years and is typically used in soil and waste material recycling and processing contaminated soil.

Sami says that apart from their adaptability, what makes ALLU products stand out from the rest is their ability to transform an entire business.

"The profitability of a business is transformed because materials are processed at site, rather than transported somewhere else. This reduces outside waste deposits and brings environmental benefits with less trucks on the road," Sami says.

"Business efficiency is further transformed as the loading and processing of materials is now accomplished in one stage, resulting in faster processing. Essentially the loader or excavator becomes a multi-machine that can load and process while simultaneously replacing overlapping machines at the job site. This eliminates double handling and reduces machinery costs."

He says the same concept applies to the workforce – fewer machines require fewer operators.

For more information, visit: www.allu.net or www.attachmentspecialists.com.au/allu