

# Geocycle North America takes delivery of new UNTHA XR waste shredder in South Carolina



**Geocycle – a 100% daughter company of LafargeHolcim – has UNTHA technology in operation on virtually every continent of the globe. So, when a waste shredder was sought for a new co-processing facility in Dorchester, South Carolina, UNTHA was once again called upon for its expertise...**

## Overview

**Company:** Geocycle North America

**Shredder:** UNTHA XR mobil-e

**Input Material:** Non-hazardous  
post-industrial waste

**Output / Goal:** RDF production for  
cement industry

**Geocycle North America has taken delivery of a new UNTHA XR mobil-e waste shredder in South Carolina, as the firm furthers its co-processing for zero waste ambitions.**

The world-renowned shredding technology has made the 4,700 mile journey from UNTHA's manufacturing hub in Salzburg, to Geocycle's 13 acre site in Dorchester, SC. Here, the mobile unit with 2 x 177hp motors, will process

non-hazardous post-industrial waste to produce a <3" RDF fuel that will be used for energy recovery in the nearby Holly Hill cement plant.

Currently configured to manufacture 10 tons of alternative fuel per hour, the plant aims to generate 35,000-40,000 tons of RDF per annum.

This is not the first waste shredder to be in operation at the Dorchester facility. Geocycle was previously operating two single-shaft Vecoplan shredders and a dual-shaft SSI machine. But as damage from unshreddables began to restrict the performance of this incumbent shredding technology, Geocycle made the switch to the UNTHA XR to facilitate single-pass RDF production moving forwards.



Commenting on the reason for investing in the new shredder, Geocycle's Director Processing Expertise and Business Development Nicolae Cuzuioac said:

***"I have long been familiar with this brand of equipment, not least because there are a number of UNTHA shredders in operation in Geocycle facilities worldwide. However, the technology hasn't previously been right for my co-processing requirements here in Dorchester."***

***But when I heard about the new UNTHA mobile and the machine's ability to handle a number of complex input materials, I was extremely interested. We took delivery of a demo unit from UNTHA America in late 2018, so that we could trial the shredding technology using our own waste. And it quickly proved such a crucial part of our plant that we've retained ownership of this machine until our own machine has arrived."***

Impressed with the XR's throughputs, reduced running costs, energy efficiency and easy maintenance, an order was placed for a new mobile shredder, which has just arrived on site.

***"Every day we are learning that the XR has capabilities we didn't previously think were possible,"*** continued Nicolae.

***"So, I am really excited to see what the future holds for our facility, as we begin to process even more heavy solids using this robust machine."***

When asked about the relationship with UNTHA America, Nicolae concluded:

***"As part of a global organization it is important that we seek out the best, world-class technologies for our plants. But we do also try to facilitate local working relationships where we can too, so that we have easy access to spare parts, servicing expertise and reactive support should we need it."***

***I hope this is the start of a long-lasting relationship with the UNTHA America team."***