

The luT Group

Recycling Plant

for Construction and Demolition Waste (CDW) in Sharjah/UAE



The booming construction industry in the United Arab Emirates creates not only new buildings and structures but also generates huge quantities of waste materials. As increasing amounts of construction & demolition waste have to be disposed of, available landfill capacity is shrinking dramatically. On the other hand, this type of waste is itself a valuable resource as much of it can be recovered and recycled to meet the construction industry's big demand for raw materials.

The luT Group designed and built the first large-scale plant for sorting and treating construction and demolition waste. After testing and start-up by luT GmbH, the plant was handed over to the Sharjah municipal administration in 2007, which commissioned Emirates Environmental Technology Co.Llc. with operation of the plant until 2009.

The plant has a processing capacity of 2,200 tons of CDW per 9-hour day. This capacity allows the Municipality of Sharjah to process 70 - 80 % of the



CDW being delivered daily to the Sajja Landfill Area. The remaining CDW will be processed during plant overtime and by adding a second processing line. The CDW recycling plant in Sharjah will lead to the development of a completely new business segment based on state-of-the-art recycling technology and the need to meet the booming demand for construction materials. Sharjah Municipality was the first government in the UAE that took the important decision to develop this market.

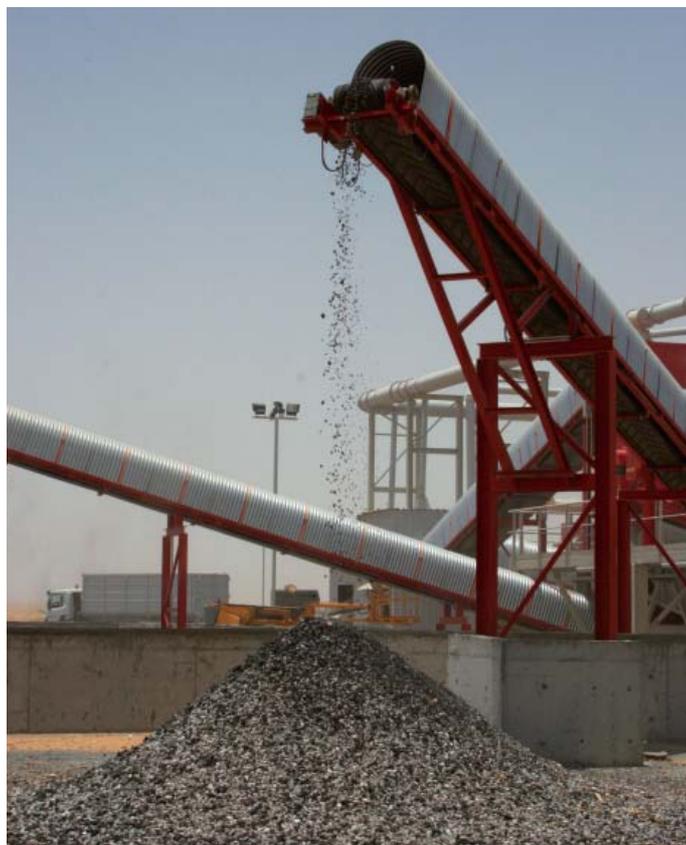


Technical Details of the Plant:

Feeding lines: 2
Feeding size: 0 to 300 mm
Oversized material: jaw crusher
Screen technology: vibration deck screens
Separation technology: ballistic separators, metal separators
Sorting technology: hand sorting
Compression technology: baler
CDW crusher: rotating mill crusher

Products:

Products #1: fine sand 0-10mm
Products #2: aggregates, concrete 10-45mm
Products #3: aggregates, concrete >45mm
Products #4: baled plastic film, cardboard
Products #5: timber, wood



Engineering contractor:

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General contractor and Plant operator up to 2009:

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