



The IuT Group

Material Recycling Facility (MRF) for Municipal Solid Waste in Al Ain/Abu Dhabi



The oasis city of Al Ain in Abu Dhabi, one of the United Arab Emirates (UAE), has a modern waste sorting plant, which was opened in August 2008. It was designed to integrate an existing municipal compost plant plus add new facilities. As a result, more than 1000 metric tons of household waste can now be sorted and processed within 15 hours every day.

The plant was designed and built by Innovation und Technik GmbH, an Austrian company of The IuT Group. Today, it is an efficient regional showcase facility combining previously installed systems with modern equipment and materials handling technology.



Mechanical and manual sorting methods are employed to extract secondary raw materials such as metals, plastics, paper, and glass from the waste stream. The residual waste fraction is separated and landfilled while the organic fraction is processed at the existing compost plant and turned into high-quality compost. The site is monitored and controlled by the IuT Group's standard SCACA-MSR system, the principal parameters of which can be accessed at any time, even from remote locations. Throughput rates are checked by continuous weighing.

The plant is operated by **Emirates Environmental Technology Co. Llc. (EET)**, also an IuT Group entity, on behalf of Abu Dhabi's publicly owned **Waste Management Center**. EET, with its registered office in Sharjah, UAE also markets the high-quality compost.



Technical details:

Daily Capacity: up to 1.200 t/d
Shifts: 2
Working Hours: 15 h/d
Feeding Lines: 2
Sorting Lines: 2 medium fraction,
2 large fraction

Products:

Paper different quality • OCC • PET • Plastic film • Plastic bottles • Metals ferrous • Metals non ferrous • Glass • High-quality compost

Design, Supply of Technology, Project Management

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