



ALDAR Headquarters Al Raha Beach

PROJECT INFORMATION

City: Abu Dhabi
Country: United Arab Emirates
Project Startup: 2009
Project Completion: 2011

STREAM AWCS

Type of AWCS: Gravity Vacuum System
Total Pipe Length: 400m
Number of Fractions: 2
Estimated Waste per Day: 3.4 metric tons

The ALDAR Headquarters was specifically designed in a unique geometric circular shape to set as a landmark for Abu Dhabi's 2030 vision. The 23-storey building voted as the "Best Futuristic Design 2008" by the Building Exchange (BEX), is completely fitted with an operational new refuse vacuum utility – the Automated Waste Collection Systems (AWCS) by STREAM. Our systems have been clearly identified as the best method from source to encourage and facilitate recycling. The volumetric hopper door on every load station acts as the first line of recycling control. Large recyclable bulky items are being forced to be handled separately, and hence paving the way for separation at source. A dual fragment (recyclable/non-recyclable) loading points were built with two chutes and two refuse holding chambers for a more effective waste recycling initiative. With our system, each fraction is deposited in a specific hatch, which is emptied separately. The disposal schedules are pre-set and the system automatically directs each type of refuse to a separate container at the Central Waste Handling Facility.

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