



# AL DHAFRA RECYCLING INDUSTRIES

Al Dhafra Recycling Industries operates in Abu Dhabi, United Arab Emirates, in partnership with Tadweer (The Centre of Waste Management).

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## AL DHAFRA RECYCLING INDUSTRIES

Al Dhafra Recycling Industries\* is responsible for the processing of construction and demolition materials across the Emirate of Abu Dhabi. The aim of the facility is to reduce the level of construction and demolition material being disposed of in Abu Dhabi's landfills.

In partnership with Tadweer, the facility processes material to produce recycled products suitable for use as road base aggregates and structured & non-structured backfill projects.

Regulations, introduced by Abu Dhabi's Executive Council, govern the recycling of construction and demolition material and its use in construction projects, as an alternative to further depleting scarce natural resources. Under the Executive Council's resolution (number 2008/37-3), construction projects are mandated to use a minimum quantity of 40 percent recycled material, if available.

To ensure compliance with government requirements, construction projects that require materials, for which a recycled alternative is available, must be able to substantiate that the correct quantities of recycled construction and demolition material have been used. Al Dhafra Recycling Industries can assist in preparing the documentation to verify compliance.

Al Dhafra Recycling Industries' recycling facility can process between 5000 and 7000 tonnes of material per shift. The product performs as well, if not better than, virgin natural materials. Use of recycled construction and demolition materials also yields a number of commercial benefits, including:

- **Lower cost per tonne compared to delivered quarried products from outside of Abu Dhabi**
- **Locally manufactured, therefore transportation fees are minimal**
- **Recycled material is a lower density, resulting in cost saving per cubic metre**

Al Dhafra Recycling Industries operates a purpose-built recycling facility located adjacent to the Al Muqadhara landfill on Highway E65 in Abu Dhabi, UAE.

\*ADRI was previously known as Theiss ME Recycling Industries and Leighton Recycling Industries





## TADWEER

Formally known as the Center of Waste Management Abu Dhabi, Tadweer is the leading provider of comprehensive waste and environmental services in the UAE. Tadweer's vision is to create a quality environment through dedicated leadership and educational partnership to reduce wastage while promoting recycling and resource conservation. For more information, visit [www.cwm.ae](http://www.cwm.ae)

## HABTOOR LEIGHTON GROUP (HLG)

Al Dhafra Recycling Industries is managed by the Habtoor Leighton Group (HLG), one of the leading international contractors in the Middle East. For more information, visit [www.hlg.com](http://www.hlg.com)

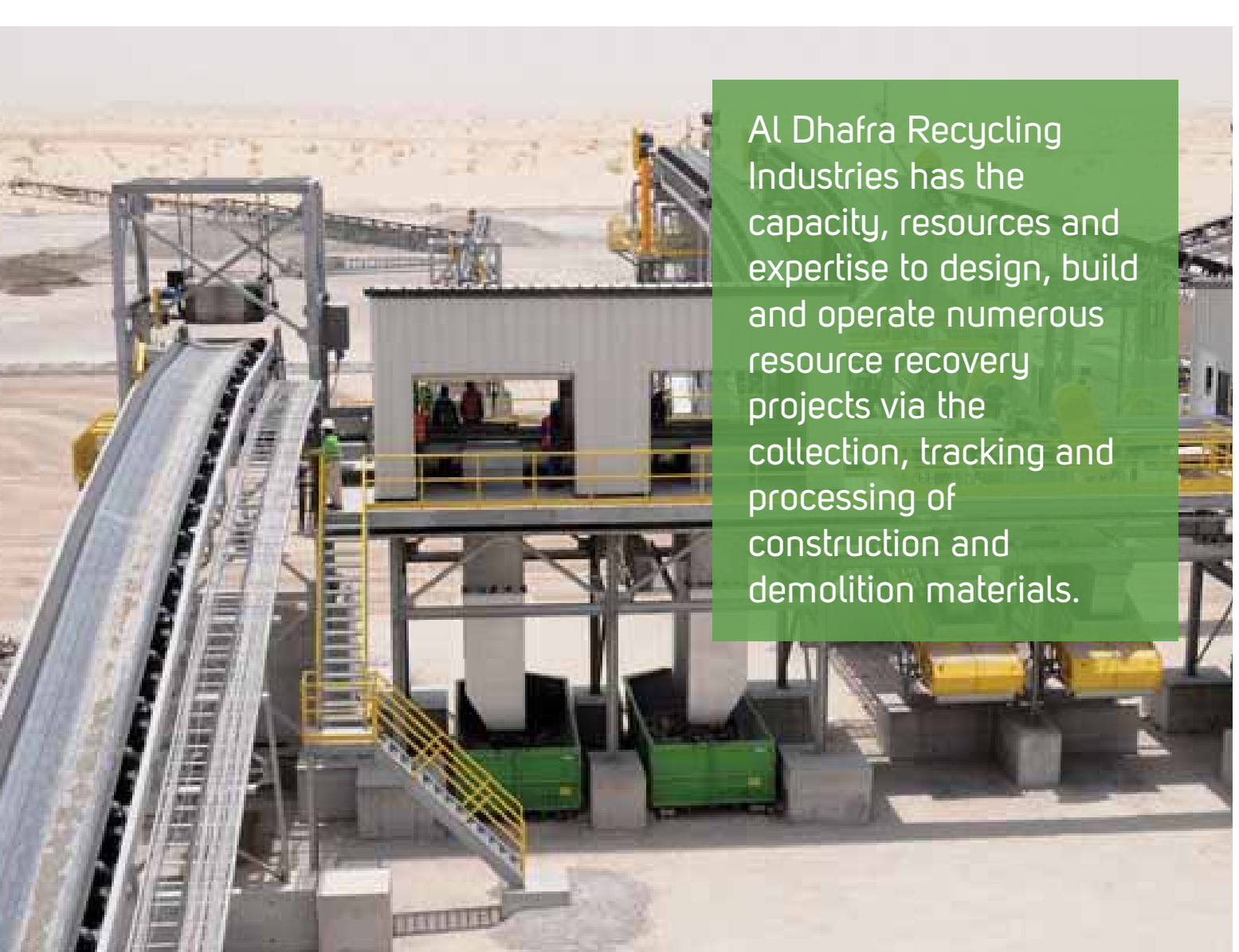
## ACCREDITATIONS

Al Dhafra Recycling Industries has received accreditation from the following organisations:

- Tadweer/Centre of Waste Management
- Abu Dhabi Quality & Conformity Council
- ISO Certified
- Zonescorp
- Environment Agency Abu Dhabi (EAD)
- Abu Dhabi Chamber of Commerce
- Abu Dhabi Civil Defence

Al Dhafra Recycling Industries operates according to Management Systems for Quality - ISO 9001:2008, Environment - ISO 14001:2004 and Health and Safety - OSHAS 18001:2007. Product testing is performed by a leading independent test laboratory in Abu Dhabi.

All recycled material produced at Al Dhafra Recycling Industries is 100% recycled crushed aggregates.



Al Dhafra Recycling Industries has the capacity, resources and expertise to design, build and operate numerous resource recovery projects via the collection, tracking and processing of construction and demolition materials.

## CAPABILITIES

In line with Abu Dhabi Government's vision for sustainability, and under the Government concession awarded in 2009, Al Dhafra Recycling Industries, and Tadweer, facilitate the receiving and processing of construction and demolition material, such as concrete, asphalt and excavation material. Al Dhafra Recycling Industries has the capacity, resources and expertise to design, build and operate numerous resource recovery projects via the collection, tracking and processing of construction and demolition materials.

All materials sent to the recycling plant are inspected for suitability before processing. Metals and other non-suitable materials are extracted before the construction and demolition material is diverted to the processing plant.

Following additional product testing by third party independent laboratories, well-graded recycled material (-37mm) is produced, which is used for road-base, sub-base, structural fill, trench bedding, hardstand and low-dust asphalt products.

All recycled material produced at Al Dhafra Recycling Industries is 100% recycled crushed aggregates. Use of recycled crushed aggregates also achieves:

- Estidama ratings for Estidama-rated projects
- Reduction in waste to landfill
- Reduced greenhouse impact
- Reduced reliance on natural resources

## CLIENTS

Recycled material is currently being used as road base for construction in various prestigious projects such as:

- Abu Dhabi Airport Company - Abu Dhabi Airport T3 Project
- Abu Dhabi Municipality - Abu Dhabi City road works
- Abu Dhabi National Oil Company (ADNOC)
- Abu Dhabi Ports Company - Khalifa Port Project
- Etihad Rail - Shah-habshan-Ruwais Railways
- Habshan Crude Oil Pipeline for IPIC
- Shah Gas Development
- Western Region Municipality
- DoT / Musanada





In partnership with Tadweer

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