



ARAMEX EMIRATES LLC

ARAMEX Warehouse Building – BLOCK A



LEED for New Construction: Building Design + Construction V3.0

GOLD

60*

Sustainable Sites	15	26
Water Efficiency	9	10
Energy & Atmosphere	11	35
Materials & Resources	5	14
Indoor Environmental	10	15
Innovation & Design	6	6
Regional Priority	4	4

Points Achieved Points Available

* Out of Possible 110 Points

FAST FACTS

LEED Certification: Gold, New Construction v 3.0
Square Feet: 420,629 ft² / Warehouse Building
Neighborhood: Dubai Logistics City, Dubai, UAE
Completed: 13 February 2012
Date of Certification: 25 February 2014

BENEFITS

- **22.10%** Energy Cost Savings
- **38.23%** Potable Water Use Reduction
- **96.08%** Construction Waste diverted from Landfill
- **28.95%** Regional Materials Use
- **11.93%** Materials with Recycled Content Use
- **90.0%** of Regularly occupied spaces with Access to Views



PROJECT BACKGROUND

A new resolution on the implementation of green building specifications and standards in the emirates of Dubai has been issued by H.H. Sheikh Mohammed bin Rashid Al Makhtoum, Vice-President and Prime Minister of UAE and ruler of Dubai. As per the new resolution, effective on January 2008, all owners of residential and commercial buildings and properties in the emirates of Dubai must comply with the internationally recognized environment friendly specifications to turn Dubai into a healthy city that meets the demands of best practices and benchmarks of pollution-free sustainable development.

Implementing this resolution, Dubai becomes the first city in the Middle East to adopt green building specifications and requirements. The resolution falls in line with Sheikh Mohammed's keen interest in dealing with the current environmental challenges.

In response to this resolution, we are proud to inform that "ARAMEX BLOCK A – WAREHOUSE BUILDING" has been awarded with **Prestigious LEED Gold Certification** established by the U.S. Green Building Council and verified by the Green Building Certification Institute (GBCI).



PROJECT PROFILE

ARAMEX WAREHOUSE BUILDING - BLOCK A, Dubai Logistics City, Dubai, U.A.E.

THE NEW BUILDING

Aramex DLC Warehouse and Office project is an On-Campus Building project that are on the shared site under the control or management of a single entity. **Aramex Warehouse Block A** project is an individual project associated with Aramex Master Site with a total built up area of 420,629 ft² and encompasses a total LEED boundary of 1,512,848 ft² situated in Dubai Logistics City, U.A.E., Dubai.

Aramex Warehouse Block A addresses the unique challenges and opportunities inherent in campus projects and maintain the technical integrity and rigor of the LEED Rating System.

INDOOR ENVIRONMENTAL QUALITY

To facilitate quality IEQ, Aramex Block A Building implemented a good ventilation design and comfortable thermal environment, optimized energy efficiency and occupant's health. The facility uses building finish materials with low emission of volatile organic compounds (VOC), for adhesives and caulking, paint and coatings, carpeting, and compressed woods. Increased use of daylighting within the interior of the building through the use of skylights and shaded clerestory glazing, reducing the lighting power density for greater energy efficiency.

ENERGY EFFICIENCY AND RENEWABLE ENERGY

Energy efficiency is always taken into consideration by Aramex Block A Building when dealing with operational changes and the purchase of new equipment. Measures have been implemented and this leads to reduction of energy use.

The following are the key elements in Aramex Block A Building strategy to help combat climate change:

- Select high quality, energy efficient lighting. Coordinate the control of the lighting and window coverings, to make best use of natural light, control glare and save energy.
- Put reasonable limits on the temperature controls for day-today use.
- Utilization of the renewable resources like Solar Light Poles for exterior lighting and Solar water heaters for energy conservation.
- Install energy efficient heating, ventilation and air-conditioning systems connected to Building Management System to monitor Chillers, CO₂ sensors, LV panels and Controlling of FCUs.

LESSONS LEARNED

- Informed early decisions and planning can help project teams skirt common pitfalls in the LEED Process.
- Learn how to get started with LEED, what to expect, first steps, and how to develop a solid LEED Strategy.
- Learn ways to reduce waste production, tips on effective recycling or composting programs on how to green your construction waste practices.
- Learn about good options for rounding out your LEED strategy with "bonus points" from the Innovation and Design Credits category.
- In addition, get ready for the LEED submittal and review phase by learning documentation best practices and the problems that application reviewers see.

THE TEAM

Owner: Aramex Emirates LLC

Design Consultant: ADS Architectural Consultant

Civil Contractor: System Construct

MEP Contractor: Al Shirawi Electrical and Mechanical Co LLC

Green Building Consultant: Middle East Centre for Sustainable Development (MECSD), Dubai, UAE

LEED AP: Gurjeet Kaur

Commissioning Authority: Pacific Control Systems (PCS)

Photograph Courtesy of: MECSD & Aramex Emirates LLC

Prepared by: Mary Rose M. Anlacan, LEED AP, Estidama PQP