

AL SHAMALI INTERNATIONAL FREIGHT SERVICES



FAST FACTS

LEED Certification: Silver, New Construction (NC) V2.2
Square Feet: 30,257 sq ft / Office & Warehouse
Neighborhood: Jebel Ali Free Zone, Dubai, UAE
Construction Cost: \$26 / sq ft
Completed: January 2011
Date of Certification: 16 July, 2011

BENEFITS

- 14.3% Savings on Energy Use
- 41.5% Savings on Potable Water Use by Water Fixtures
- 14.2% Materials Use with Recycled Content
- 38.7% Regional Materials Use

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 Maktoum, 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 "AL SHAMALI INTERNATIONAL FREIGHT SERVICES CO. LLC" has been awarded with **Prestigious LEED Silver Certification** established by the U.S. Green Building Council and verified by the Green Building Certification Institute (GBCI). It is the 12th project in the UAE to achieve the LEED NC 2.2 Silver Certification.





PROJECT PROFILE

AL SHAMALI (SIFCO), JAFZA, Dubai, UAE

THE NEW BUILDING

AL SHAMALI (SIFCO) – Office & Warehouse is a new construction project with a total built-up area of 30,257 sq ft, consisting of 6,558 sq ft for office space and 23,699 sq ft for warehouse space. The project will primarily act as office and warehouse facility for Al Shamali Group. SIFCO is mainly involved in logistics and warehousing services based in the Free Zone area in Jebel Ali, intends to develop its own network offices in the Middle East Region.

The new office and warehouse construction is designed in such a way that Energy & Water conservation is practiced. Al Shamali's overall intent is to minimize energy and water usage by implementation of innovative design concepts particularly in HVAC and water fixtures.

SUSTAINABLE SITES AND TRANSPORTATION

The project team sought to encourage responsible transportation. The following are strategies to support it:

- Provide storage area for bicycles to serve 5% of FTE and transient building occupants
- Provide showers and changing areas for 0.5% of the FTE
- Provide preferred parking and low-emitting and fuel-efficient vehicles on-site
- Provide car/van pool parking for a minimum of 12.5% of the total provided parking space
- Provide storage area for bicycles
- Provide access to public transportation
- 100% covered parking space with SRI >29
- 100% of roofing materials meet the SRI requirement

ENERGY EFFICIENCY

MECSD as a Sustainability Consultant for Al Shamali, has created an energy model to evaluate the effectiveness of the building's energy conservation measures, in compliance with ASHRAE Std. 90.1-2004 Appendix G methodology.

The following are the Energy Conservation Measures incorporated in the project:

- Improved thermal envelope
- High performance glazing
- Reduced interior lighting power densities
- Efficient split unit systems

INDOOR ENVIRONMENTAL QUALITY

- Developed and implemented a Construction Indoor Air Quality (IAQ) Management Plan in reference to SMACNA guidelines
- Use of building finish materials with low emission of volatile organic compounds (VOC) for adhesives, sealants, paints and coatings
- Use of CRI Green Label Plus certified carpets
- Lighting controllability are available for all shared occupant spaces
- Provide direct line of sight views for 99.5% of all regularly occupied areas

OTHER GREEN FEATURES INCLUDES

- Earned an exemplary performance in water use reduction and heat island effect: non-roof
- Installed water efficient landscaping
- Provides appropriately sized dedicated areas for the collection and storage of recycling materials

THE TEAM

Owner: SIFCO-Al Shamali Group

Design Consultant: Chawla Arch. & Cons. Eng'g

Contractor: Al Avon Contracting

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

Chief Technical Officer: Thom Bohlen, Architect, LEED AP

LEED AP: Loveleen Raval & Mary Rose Anlacan

Commissioning Authority: Pacific Control Systems

Photograph Courtesy of: Al Shamali & MECSD