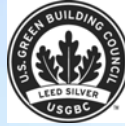


AW ROSTAMANI LOGISTICS LLC



	34	69
Sustainable Sites	10	14
Water Efficiency	3	5
Energy & Atmosphere	5	17
Materials & Resources	6	13
Indoor Environmental	5	15
Innovation & Design	5	5
	Points Achieved	Points Available
LEED POINT ACHIEVEMENT		

FAST FACTS

LEED Certification: Silver, New Construction (NC) V2.2
Square Feet: 230,642 sq ft / Office & Warehouse
Neighborhood: Jebel Ali Free Zone, Dubai, UAE
Construction Cost: \$25.20 / square foot
Completed: February 2010
Date of Certification: September 19, 2010

BENEFITS

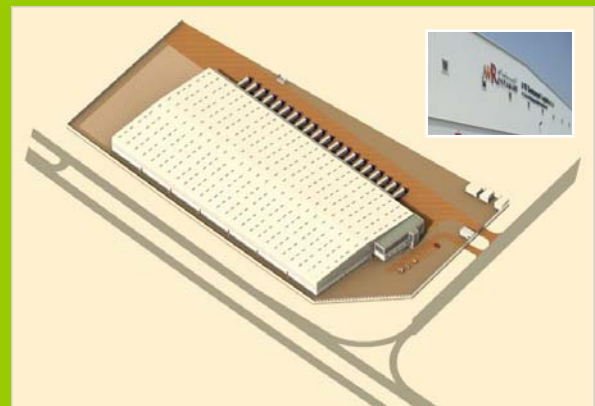
- 21.1% Savings on Energy Use
- 47.8% Savings on Potable Water Use
- 42.41% Regional Materials Use

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 "AW ROSTAMANI LOGISTICS 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 6th project in the UAE to achieve the LEED NC 2.2 Silver Certification.





PROJECT PROFILE

AW ROSTAMANI LOGISTICS, JAFZA, Dubai, UAE

THE NEW BUILDING

AW Rostamani Logistics is a pioneer in Logistics, Distribution & Transportation of warehouse facilities. The facility will be a one stop centre for supply chain operations & PL, supported by modern technology and managed with world-class practices. The cutting-edge facilities, including the temperature controlled warehouse is based in Jebel Ali Free Zone, Dubai. A new office and warehouse facility comprising a total built-up area of 230,642 square feet.

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 for low-emitting and fuel efficient vehicles onsite
- Provide vehicle access to support car and van pooling
- Provide access to public transportation
- Exemplary performance in "maximize open space" credit. Provide landscape with native and adaptive plants
- 100% covered parking on-site
- 100% roofing materials used in the project meets the SRI requirement .

ENERGY EFFICIENCY AND RENEWABLE ENERGY

MESCD as a Sustainability Consultant for AW Rostamani Logistics, has created an energy model to evaluate the effectiveness of the building's energy conservation measures, in compliance with ASHRAE Std. 90.1-2004.

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

- High-efficiency HVAC equipment
- High-performance building envelope and insulation
- Improved glazing
- Reduced lighting power density and day lighting
- Natural ventilation, wind driven ventilators in the warehouse
- Utilization of onsite renewable energy – Solar PV panels for exterior lighting

In addition, the facility selected a no-CFC refrigerant and HVAC& R equipment that minimize the emission of compounds that contribute to global warming. The M&V Plan was developed and implemented consistent with Option D of the IPMVP to verify the building performance after occupancy.

OTHER GREEN FEATURES INCLUDE

During construction, an indoor air quality management system was developed and followed. Indoor source control strategies included specifying building finishes with low volatile organic compounds (VOC) adhesives, sealants, paints, coatings and CRI (Carpet & Rug Institute) certified carpets. The building design meets the ASHRAE standards for thermal and humidity comfort. About 12.119% of the total value of materials are with recycled content. Diverted 75.42% of on-site generated construction waste from landfill.

LESSONS LEARNED

- Develop a team approach
- Early involvement with the project team is necessary to secure the certification
- Engage the Contractor on-board early in the design phase is a must

THE TEAM

Owner: Mitsui-Soko & AW Rostamani Holdings

Design Consultant: Architectural Corner

Contractor: Al Wahda Contracting Co. LLC

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

LEED AP: Mr. Loveleen Raval & Ms. Mary Rose Anlacan

Commissioning Authority: Pacific Control Systems

Photograph Courtesy of: MECSD & AW Rostamani