

OCEAN WORLD LINES INTERNATIONAL LLC



LEED for New Construction v2.2

SILVER - 34/69

Sustainable Sites	10	14
Water Efficiency	4	5
Energy & Atmosphere	7	17
Materials & Resources	4	13
Indoor Environmental Quality	5	15
Innovation & Design	4	5

 Points Achieved  Points Available

FAST FACTS

LEED Certification: SILVER, New Construction (NC) V2.2

Built-up Area: 4,928 sq. m. / Office & Warehouse

Neighborhood: JAFZA, Dubai, UAE

Completed: 2012

Date of Certification: 30 January 2013

BENEFITS

- **21.1%** Savings on Annual Energy Use
- **44.3%** Savings on Annual Potable Water Use by Water Fixtures
- More than **12%** of total materials used are having recycled content
- More than **20%** of total materials used are harvested/manufactured regionally

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 '**OCEAN WORLD LINES INTERNATIONAL LLC**' has been awarded with **Prestigious LEED SILVER Rating Certification** established by the U.S. Green Building Council and verified by the Green Building Certification Institute (GBCI).



PROJECT PROFILE

OCEAN WORLD LINES INTERNATIONAL LLC

BUILDING

The project has a plot area of about 18,656 m² located at JAFZA, Dubai. The building comprises of ground & mezzanine floor office space & warehouse with a built-up area of 4,928 m². The new office & warehouse was designed to be environmentally friendly logistics centre.

SUSTAINABLE SITES AND TRANSPORTATION

- Provides preferred parking for low-emitting and fuel-efficient vehicles on-site
- 100% of roofing materials meet the SRI requirement
- Provided water efficient landscaping which reduces potable water consumption by 62%

ENERGY EFFICIENCY

- Highly insulated building envelope
- Efficient HVAC Systems
- Reduced Interior Lighting Power Density

INDOOR ENVIRONMENTAL QUALITY

- Complies with the minimum requirements of ASHRAE Std 62.1-2004
- Installed air flow monitoring device for each mechanical ventilation to monitor the fresh air
- 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
- Lighting controllability is available for all shared occupant spaces

OTHER GREEN FEATURES INCLUDES

- Diverted 71% of on-site generated construction waste from landfill
- Earned exemplary performance in water use reduction
- Provides appropriately sized dedicated areas for the collection and storage of recycling materials

THE TEAM

Owner: Ocean World Lines International LLC

Design Consultant: SEMAC Consultants

Contractor: FAST Construction LLC

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

Chief Technical Officer: Thom Bohlen LEED AP BD + C

LEED AP: Mr. Nowfal Kunju Muhammed, Mr. Vijish Punathil & Ms. Pauline Bernardo

Commissioning Authority: Pacific Control Systems LLC

Photograph Courtesy of: Ocean World Lines International LLC