

B+G+4 Residential Building Mr. Emad Aziz Mitry Saad JVC14CMRP004, Jumeirah Village Circle, Dubai



LEED-NCv3		
Points Achieved		48
Sustainable Site	26	8
Water Efficiency	10	6
Energy & Atmosphere	35	13
Material & Resources	14	5
Indoor Environmental	15	8
Innovation & Design	6	4
Regional Priority	4	4
Available Points	110	

FAST FACTS:

EHS In-House Certifications: **Certified, LEEDv3 NC**
 BUA: **11,871.7 m²**
 Location: **JVC14CMRP004, Jumeirah Village Circle, Dubai**
 Approx. Construction Cost: **AED 24,890,000.00**
 Construction Completion: **June, 2018**
 Date of Certification: **February 7, 2019**

BENEFITS:

- **23.1%** Savings on Energy Use
- **45%** Savings on Potable Water Use by Water Fixtures
- **52.1%** Construction Waste diverted from landfill
- **26.7%** Materials Use with Recycle Content
- **33.6%** Regional Materials Use

THE GREEN BUILDING TEAM	
Owner:	Mr. Emad Aziz Mitry Saad
Main Consultant:	Winner Consulting Engineers
Main Contractor:	Al Sayegh Contracting
GB Consultant:	Crown Home Engineering Consultants
Commissioning Authority:	Crown Home Engineering Consultants
LEED AP:	Faiz Mohammad Aike Fatima Palagawad

PROJECT BACKGROUND:

As per the resolution issued by H.H. Sheikh Mohammed bin Rashid Al Makhtoum, Vice-President and Prime Minister of UAE and ruler of Dubai on January 2008, that all owners of residential and commercial buildings and properties in the emirates of Dubai must comply with the 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.

In response to the above resolutions and as mandated by EHS-Trakhees, to follow the EHS-Trakhees green building mandatory regulation and requirements, the project registered for the EHS In-House Certification which was based on LEEDv3 NC.

MR. EMAD AZIZ MITRY SAAD RESIDENTIAL BUILDING

DESIGN

The building owner has created sustainable facility by incorporating sustainable designs and measures which can help the occupant's saves energy throughout the life of the building. The owner has envisaged tranquil and livable buildings dual with vitality or serenity and environmentally friendly residential building and have created the same.

LIFESTYLE

Welcome to a world of style and elegance combined with comfort and accessibility of Dubai, one of the fastest growing modern metropolis of the region. Exceptionally designed and laid out apartments located at Jumeirah Village Circle, Dubai, centrally located with ready access to all the amenities and facilities to make your leisure moments memorably enjoyable and fulfilling.

G R E E N B U I L D I N G F A C T S H E E T

SUSTAINABLE SITE:

- During constructions, the Construction Team has formulated an appropriate plan and implemented erosion control measures relevant to the site. Such as stabilization of site entrance, dust control by watering, temporary fencing, protection of excavated soil, proper storing of construction materials and proper segregation of constructions waste, etc. for preventing the site erosion.
- The Mr. Emad Aziz Mitry Saad Residential Building has provided car parking spaces in the basement floor and has access to street parking spaces adjacent to the plot. a
 - Assigned several Car Parking for low-emitting fuel efficient (LEFE) or hybrid car.
 - Assigned several car parking for car / van pool.
- **100%** of the car parking spaces provided within the plot are covered by the building.
- **100%** Roof material has been painted with coatings having SRI of 103.



WATER EFFICIENCY:

The project installed efficient sanitary wares with low flush and flow rates which gives the project **45%** water savings.

ENERGY & ATMOSPHERE:

- The project is estimated to achieve **23.1%** annual energy savings through installation of the following:
 - Efficient building envelope. Wall, roof and glazing are having higher u-value.
 - Installation of highly efficient Dx units with high EER value.
 - FAHU with heat recovery having 70% efficiency.
 - Installation of LED lights
 - Installation of lighting control such as motion/occupancy sensors in the common areas and timer control for external lighting.
- **100%** Use of environment friendly refrigerant – R410 as refrigerant.
- The project HVAC equipment & lighting control has been commissioned and tested and balanced.
- Additional energy meter has been added for FAHU load for monitoring and verifications purposes.

MATERIAL & RESOURCES:

- The building owner encourage recycling of recyclable waste which are derived from daily living by providing 5 recycle waste bins for paper, cardboard, metal-can, plastic & glass storage.
- The Construction Team had formulated and implemented proper Construction Waste Management Plan and has successfully diverted **52.1%** waste construction from landfill.
- The Construction Team has successfully monitored the construction materials used in the project:
 - **26.7%** Construction Materials are having Recycled Content.
 - **33.6%** Construction Materials has been harvested, manufactured and procured locally.

INDOOR ENVIRONMENTAL QUALITY:

- **100%** of the project indoor space has been provided with fresh-air meeting requirement of ASHRAE 62.1-2007.
- **100%** Non-Smoking Building (inside and outside building).
- Densely occupied spaces have been provided with CO2 sensors and all FAHUs has been provided with air flow monitoring devices with alarm system.
- **100%** Building flush-out has been done simultaneously with commissioning.
- **100%** of the Adhesives & Sealants and Paints & Coatings use in the project is complying with LEED requirements.
- FAHUs are installed with MERV 14 rated bag filters.
- Entrance mats are installed in the main entrance of the building to filter out dust from incoming building users.