

Residential Building (G+P+5F+Roof) Plot No. JVC11ZMRA008, Jumeirah Village Dubai, UAE



PROJECT CERTIFICATION

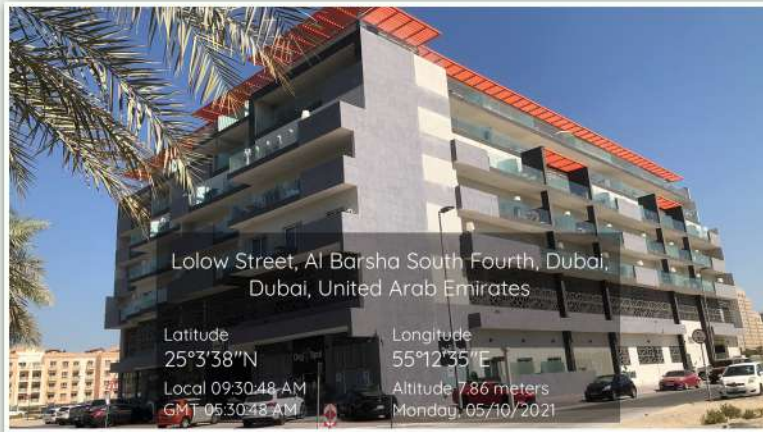
Green Building Certification: EHS In House Certification

Built Up Area: 17,695.95 SQM

Location: Plot No. JVC11ZMRA008, Jumeirah Village
Dubai, UAE

Completed: 2019

Date of Certification: March 2022



EHS IN HOUSE CERTIFICATION SCORE CARD

Total** **43/110**

Sustainable Sites	08/26
Water Efficiency	04/10
Energy & Atmosphere	11/35
Material & Resources	04/14
Indoor Environmental Quality	09/15
Innovation in Design	04/06
Regional Priority	03/04

BENEFITS

- More than 57 % Reduction in Annual Water Usage through Efficient Water Fixtures
- More than 23 % Reduction in Annual Energy Costs
- More than 33 % of Total materials used with Recycled Content
- More than 46 % of Total materials used with Regional Content
- Use of high Albedo materials for roofing to reduce heat island effect
- 100% parking spaces are under cover.
- Use of Eco- friendly materials for construction
- Improved Indoor Environmental Quality and Thermal Comfort with the use of High Efficiency mechanical systems

PROJECT BACKGROUND

The Project is a residential building with few commercial spaces at the ground floor level.

The project has been designed, developed and is being operated as per local regulatory Environment, Health & Safety Division (EHS) guidelines and EHS In House Certification for New Construction, EHS 2009 Edition.

BUILDING

The Project is a 5 floor residential building with few commercial spaces at the ground floor level located at Jumeirah Village. The Project is regulated by Trakhees of Ports & Custom Free Zone Corporation (PCFC) of Dubai Government, and as a part of the local regulatory building engineering design and permitting process, it is lawfully required to adhere to the Trakhees's Environmental Health and Safety (EHS) Division's Green Building Regulations.

SUSTAINABLE SITES

- Car Parking Spaces does not exceed Local Parking Requirements.
- Encourages building occupants to practice Car and Van pooling and usage of low emitting and fuel efficient vehicles.
- 100% of car parking spaces are under cover.
- 100% Exposed Roof Surface meeting the SRI requirement

WATER EFFICIENCY

- More than 57 % Reduction in Annual Water Usage through Efficient Water Fixtures

ENERGY AND ATMOSPHERE

- High Efficiency HVAC Equipment
- Efficient Lighting controls and Systems
- High Performance Building Envelope and Insulation
- Energy Check Meters for Energy Accountability

MATERIALS & RESOURCES

- Provision of Segregation and Collection of Operational Waste for Reuse / Recycling
- More than 33 % of Total materials used with Recycled Content
- More than 463 % of Total materials used with Regional Content

INDOOR ENVIRONMENTAL QUALITY

- Fresh Air Supply to each Regularly Occupied Spaces as per ASHRAE 62.1-2007
- No Smoking Policy for the Building with a designated smoking area located 25 feet away from all operable windows/doors and air intakes.
- Outdoor Air Delivery Monitoring
- Low Emitting Materials
- Lighting and HVAC Controls for Occupant Comfort

The Facility Management of the building is engaged in an ongoing initiative to educate all of their building occupants, visitors, and the general public to continuously promote awareness and increase adoption of sustainable products and design process.

LESSONS LEARNED

- Incorporate Green Building Requirements early in Design Stage
- Involvement of all the stakeholders in Green Building Requirements to secure the Certification
- Ensure to gain Expert Assistance in Energy Analysis

THE TEAM

Owner: Mr. Tarek Zouhair El Mdaka

Lead Consultant: Mazaya Consulting Engineers

Contractor: MAK Oasis Contracting LLC

Green Building Consultant: GlobalTech Safety & Environmental Consultancy

Commissioning Authority: GlobalTech Safety & Environmental Consultancy