

## B+G+4 Residential Building at JVC140MRP200



	46	110
SUSTAINABLE SITES	7	26
WATER EFFICIENCY	10	10
ENERGY AND ATMOSPHERE	13	35
MATERIALS AND RESOURCES	4	14
INDOOR ENVIRONMENTAL QUALITY	9	15
INNOVATION IN DESIGN	3	6
REGIONAL PRIORITY CREDITS	0	4

Points Achieved
  Points Available

Completed: July 2017

Date of Certification: 15 May 2018

### FAST FACTS

EHS Certified Green Building

Area: 388,620.22 ft<sup>2</sup>

Neighborhood: Plot No JVC140MRP200,  
JVC, Dubai, U.A.E.

Construction Cost: \$91.06/ft<sup>2</sup>

### BENEFITS

**23%** Savings on Energy Use

**52%** Savings on Potable Water Use

**20.77%** Materials Use with Recycled Content

**27.15%** Regional Materials Use

**50%** Reduction in sewage conveyance

### 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 sustainably developed city that meets the demands of best practices and benchmarks of environment friendly growth pattern.

In response to this resolution, we are proud to inform that the "B+G+4 Residential Building at JVC140MRP200" has been awarded with EHS Certification established by TRAKHEES.

The Organization who is the Owner of this Building is M/s. JVC Belgravia Limited, an established pioneer in the field of Real estate. Belgravia Limited endeavors to craft beautiful environments for exceptionally high-quality lifestyles. Inspired by art and reflective of their owners' aspirations, Belgravia Limited residences are classic in feel but contemporary of vision, canvases to be filled with the experience and exuberance of life.

Belgravia 1 is a new construction project which was decided to target EHS certification during the design stage in 2015. The project is a Residential B+G+4 building in Plot No JVC140MRP200, JVC, Dubai, U.A.E. The approximate gross floor area of the project is 388,620.22 ft<sup>2</sup>. Design development and construction completion happened during the period 2015-2017. The structure of the building consists of a basement, a ground floor and four floors. The building uses energy from electricity and uses water from a municipal potable water system. This project used the new digital meters supplied by DEWA to record and monitor the power consumption in the complete building.

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## PROJECT PROFILE

### SUSTAINABLE SITES AND TRANSPORTATION

- ❖ Provides parking capacity that tenders to local zoning requirements
- ❖ Provides 100% of total parking under cover (in basement & ground floor)
- ❖ Roofing materials meet the SRI requirement avoiding heat island effect
- ❖ Provides landscaping with drip irrigation show casing the client's strong vision towards a sustainable future.

### ENERGY, WATER AND MATERIAL RECOURSE CONSERVATION

Susnomics Engineering Systems FZ-LLC as a Sustainability Consultant for Belgravia Limited, has created an energy model to evaluate the effectiveness of the building's energy conservation measures, in compliance with ASHRAE Std. 90.1-2007 Appendix G methodology.

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

- ❖ Giving the right orient for the building reducing the solar heat gain
- ❖ Highly insulated building envelope elements
- ❖ Efficient lighting design and controls with optimal power density
- ❖ Efficient HVAC systems
- ❖ Conducted enhanced commissioning to ensure results of holistic building energy system design

The following are the water and resource conservation measures incorporated in the project:

- ❖ Uses low flow fixtures in faucets, sinks and showers and dual flush water closets
- ❖ Incorporated recycled content in the building materials
- ❖ Boosting the local market and reducing the foot miles by purchasing more regional materials
- ❖ The Client has appointed *Imdaad* as the waste recycling agent for the occupational wastes in this project.

### INDOOR ENVIRONMENTAL QUALITY

- ❖ The IAQ performance complies with the minimum requirements of ASHRAE Std 62.1-2007
- ❖ 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 finishes materials with low emission of volatile organic compounds (VOC) for adhesives, sealants, paints and coatings and had installed 10ft long mat to maintain the indoor air quality as per the ASHRAE standards.

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### THE TEAM

Owner	JVC Belgravia Limited
Architectural Consultant	Al Wasl Al Jadeed Consultants
MEP Consultant	Consistent engineering consultants
Contractor	Shoba Engineering & Contracting LLC
Green Building Consultant	Susnomics Engineering Systems FZ-LLC Dubai, UAE
LEED AP	Shyam Chandra V
Commissioning Authority	Susnomics Engineering Systems FZ-LLC Dubai, UAE

To  
M/s JVC Belgravia Limited  
Dubai  
UAE

Ref : EHS/GB/17/2290  
Date : 15/05/2018

**Attn: Mr. Joseph Thomas – Managing Director**

**Sub: Green Building Certification**

Ref: Our Final review report EHS/GB/18/2273 dated 8 April 2018  
Your e-mail acknowledgement dated 15 April 2018

Further to the above, we are glad to advise you that we have completed the certification process and accordingly your project is “**CERTIFIED**” as per the details below

<b>Project Name</b>	<b>B+G+4 Residential Building at JVC140MRP200</b>
<b>Registration No</b>	<b>EHSCN2080</b>

<b>STATUS</b>	<b>CERTIFIED</b>
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EHS would be communicating with your offices in due course to proceed with the certificate formalities. We strongly encourage you to work towards operational sustainability to maximize and reap the benefits of sustainable buildings. We reckon this plays a crucial role in the protection of the environment

Trakhees-EHS is committed to providing quality regulatory services to our business units and clients in protecting the environment, human health and safety. As always, we look forward to your cooperation, support and a very successful working relationship.

Should you have any queries, please feel free to approach the Green Buildings department or contact us at [EHS.GreenBuilding@trakhees.ae](mailto:EHS.GreenBuilding@trakhees.ae)

We wish the project team all the best.

Best Regards,

**P.R.Jagannathan**  
Sustainability Manager  
Trakhees - Environment, Health & Safety

*Note*

Please read the disclaimer clause of the EHS Green Building Certification program as stated in the procedure EHS-GBP-11