

LAMPRELL CORPORATE OFFICE, JABEL ALI, DUBAI



* Sustainable Sites	8
* Water Efficiency	6
* Energy and Atmosphere	13
* Material and Resources	4
* Indoor Environmental Quality	10
* Innovation in Design	1
* Regional Priorities	3
Total	45

LEED Version	Building Design and Construction, v3.0
LEED Certification Level	Certified
Gross floor area	16,695 Sq. Ft.
Project completion	August 2012
Project registration	February 2011
LEED certification	January 2013

Benefits:

- 49% reduction in potable water consumption
- 57% reduction in water use for landscaping
- 29.4% reduction in total energy cost
- 1.5% of total energy cost from solar water heating system
- Improved indoor environmental quality and thermal comfort
- No smoking environment
- 12.83% of total material cost from recycled materials



PROJECT PROFILE

PROJECT BACKGROUND:

The proposed project is a G + 1 corporate office building for Lamprell Energy Ltd, on Plots B042R01 and B042R02, in Jebel Ali Free Zone, Dubai, UAE, with a total built up area of 16,695 sq ft. The project is located at the southeast corner of Plot B042R02 that, together with Plot B042R01, comprises a large industrial campus consisting of various commercial and industrial buildings and structures, belonging to the Client. The LEED project boundary, however, is restricted to the new works in and around the proposed G + 1 office building.

SUSTAINABLE SITES:

- * Previously developed site
- * Well planned and implemented Erosion and Sedimentation Control plan
- * Covered Car parking
- * Preferred parking for Low emitting vehicles and Carpools
- * High SRI Roofing materials
- * LED landscape lighting

WATER EFFICIENCY:

- * Low flow and Flush fixtures
- * Waste water treatment
- * Artificial vegetation

MATERIAL AND RESOURCES:

- * Well implemented Construction waste management
- * 10% of recycled materials
- * 10% of regional materials

ENERGY AND ATMOSPHERE:

- * High COP package units
- * Individual temperature controls
- * Energy recovery heat wheel
- * Demand controlled ventilation
- * LED fixtures and automatic controls for interior lighting
- * Solar thermal water heating
- * Enhanced commissioning

INDOOR ENVIRONMENTAL QUALITY:

- * No smoking Building
- * Demand controlled ventilation
- * Well implemented Indoor Air Quality management plan
- * Low VOC indoor finish materials
- * Efficient Lighting and thermal controls

TEAM

Project Name	: Lamprell Corporate Offices, Dubai, Jabel Ali
Owner	: Lamprell Energy Ltd, Sharjah
Architect	: Brewer Smith & Brewer Gulf, Dubai
MEP Consultant	: Mario Associates, Dubai
Contractor	: AMBB
LEED Consultant	: Mario Associates, Dubai
LEED AP	: Adeel Hyder and Byju Pushparaj