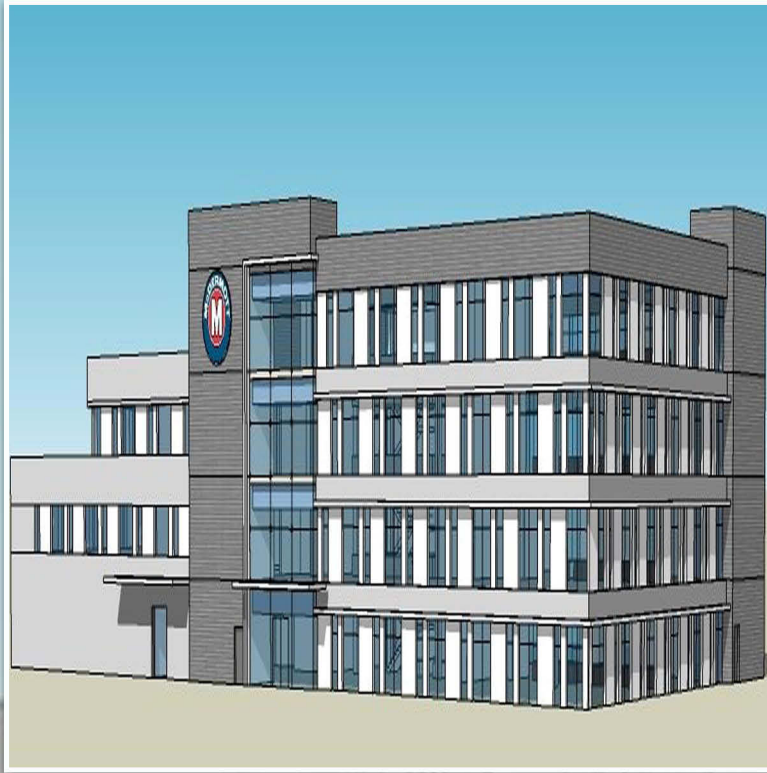


**McDermott Middle East, Inc.
Office Building (G+3)
Plot No. B056F01, Jebel Ali, Dubai, UAE.**



EHS In House Certification NC v2009

Total 45/110**

	Sustainable Sites	9/28
	Water Efficiency	6/10
	Energy & Atmosphere	11/37
	Material & Resources	6/13
	Indoor Environmental Quality	9/12
	Innovation in Design	4/06
	Regional Priority	0/04

****Certified 40+ points, Silver 50+ points,
Gold 60+ points, Platinum 80+ points**

FAST FACTS

EHS In House Certification: New Construction v2009 "Certified Building".
Built Up Area: 71,279 sq. ft
Location: Jebel Ali, Dubai, UAE
Completed: 2015
Date of Certification: 5th November 2015

BENEFITS

- More than 24% Reduction in Annual Energy Costs
- More than 46% Reduction in Annual water usage through efficient water fixtures
- More than 20% of total materials used with recycled content
- More than 73% of total materials used are harvested/manufactured locally
- Use of albedo materials for roofing, pavements to reduce heat island effect
- Use of eco-friendly materials for construction
- Improved indoor environmental quality and thermal comfort with the use of high efficiency mechanical systems
- Improved daylight

PROJECT BACKGROUND

The project is a G+3 Floor Office Building for McDermott Middle East, Inc at Plot No. B056F01, Jebel Ali, Dubai, UAE.

The Project has been designed, developed and will be operated as per local regulatory Environment Health and Safety (EHS) In House Certification guidelines for LEED New Construction Version 3.0 Rating System.

McDermott Middle East, Inc.

Office Building (G+3)

Plot No. B056F01, Jebel Ali, Dubai, UAE.

BUILDING

The project is known as McDermott Middle East, Inc. Office Building (G+3), Plot No. B056F01, Jebel Ali, Dubai, UAE., that 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

- Provided access to public transportation
- Provided 75% roofing materials meet the SRI requirements

ENERGY AND ATMOSPHERE

- Optimized energy performance through efficient building envelope, HVAC & lighting systems
- Stratospheric ozone layer protection through zero use of CFC based refrigerants
- Lighting energy conservation through maximization of installed daylighting and views opportunities
- Renewable energy system through installed solar hot water system
- Proper and efficient equipment operation achieved through harmonized LEED commissioning
- Tracked building-level and system level energy use through installed energy meters
- Building systems efficient control and monitoring through installed Building Management System

GREEN EDUCATION

McDermott Middle East is engaging in an ongoing initiative to educate all of their own employees, professional organizations and the general public to continuously promote awareness and increase adoption of sustainable products and design process.

OTHERS GREEN FEATURES INCLUDE

- The project installed low flow features for toilets, urinals, faucets and Showers which are a standard practice in this water constrained region.
- The Project has achieved the breathing zone outdoor air ventilation rates to all occupied spaces as per the minimum rates required by ASHRAE 62.1-2007
- The project uses low emitting materials for construction

LESSONS LEARNED

- Incorporating green building requirements early on design stage
- Involvement of all the stakeholders in green building requirements to secure the certification
- Be sure to gain expert assistance in energy analysis

THE TEAM

Owner: McDermott Middle East, Inc

Design Consultant: Image Architectural and Engineering Consultants

Contractor: Amana Steel Building Contracting LLC

Green Building Consultant: GlobalTech Safety & Environmental Consultancy

LEED AP: GlobalTech Safety & Environmental Consultancy

Commissioning Authority: GlobalTech Safety & Environmental Consultancy



McDermott Middle East



McDermott Middle East, Inc.
Office Building (G+3)
 Plot No. B056F01,
 Jebel Ali, Dubai, UAE.



24% reduction in annual energy costs



46% reduction in annual water use

EHS In House Certification Facts

McDermott Middle East, Inc.

Office Building (G+3)
 Plot No. B056F01,
 Jebel Ali, Dubai, UAE.

Certified 45*

	Sustainable Sites	9/28
	Water Efficiency	6/10
	Energy & Atmosphere	11/37
	Material & Resources	6/13
	Indoor Environmental Quality	9/12
	Innovation in Design	4/06
	Regional Priority	0/04

*Out of a possible 110 points

