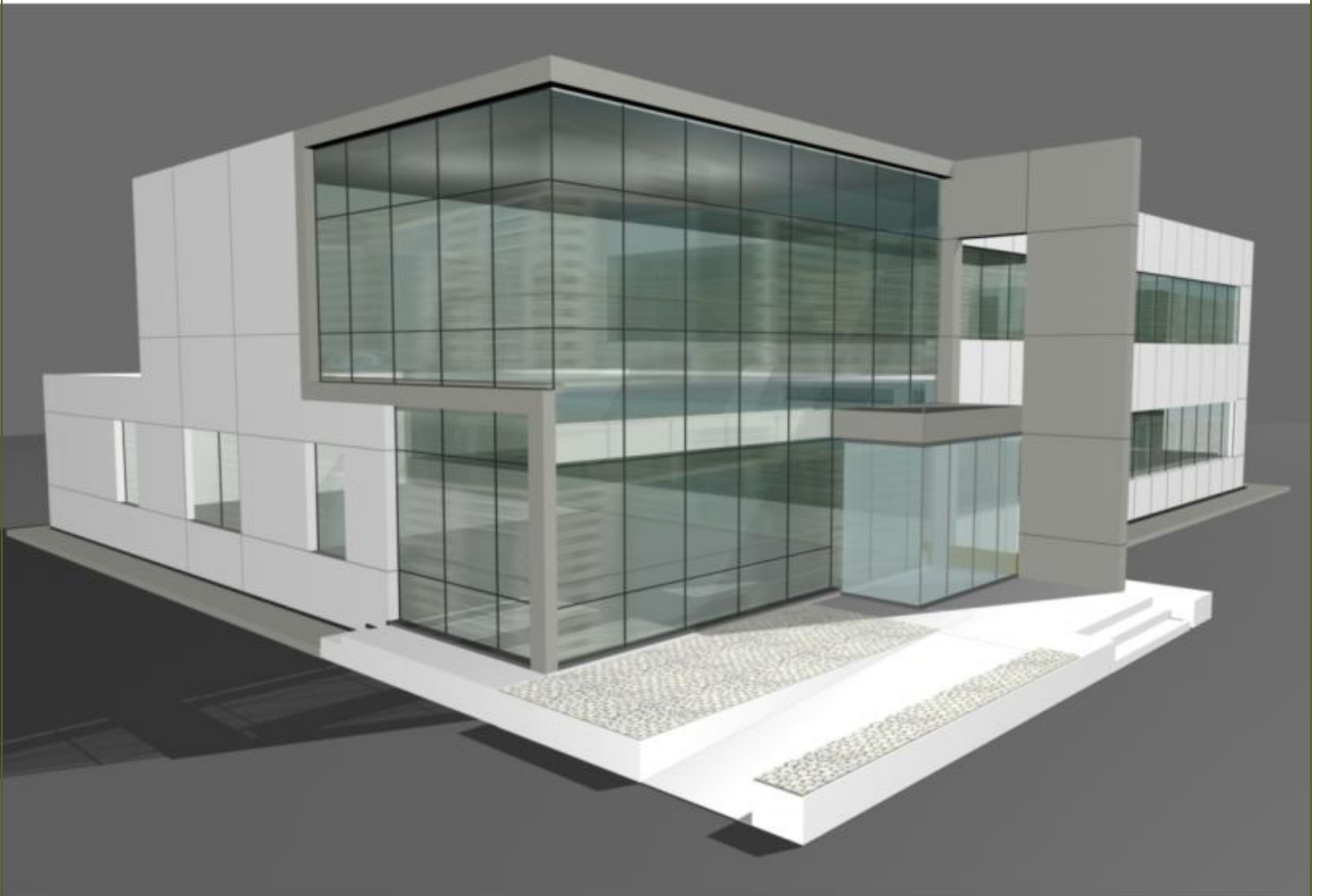




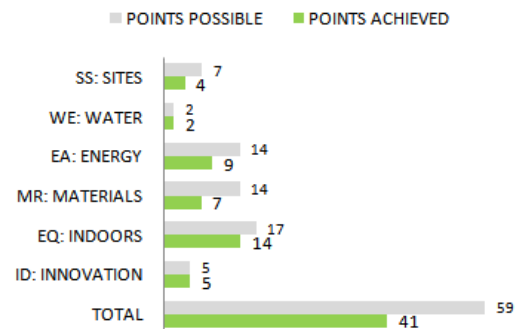
CASE STUDY: SUMMER TOWN INTERIORS, DUBAI



KEY PARAMETERS

Occupancy Type	Office Space and Showroom
Built up area	8,000 Sq. ft
Completed	October 2009
Location	Dubai
Owner	Summer town Interiors
Green consultant	En3 Sustainability Solutions
Rating System	LEED USGBC ID+C version 2.0
Rating Achieved	GOLD

LEED SCORES



Summertown Interiors is the FIRST Interior Fit-Out contractor in the Middle East to occupy LEED Gold certified interiors. The offices and showroom in Jebel Ali are reflective of the functionality and timeless office design that are in sync with the core values of the company: transparency, communication, and flow of work, quality, and a place where people like coming to work. The facility has a dual purpose functioning as both an office as well as a showroom.



SITE SUSTAINABILITY FEATURES

- Well connected with public in terms of transportation
- Bicycle storage with convenient changing/ shower facility encouraging the use of alternative transportation
- Car pooling spaces provided on site to promote share rides thereby reducing pollution.

WATER EFFICIENCY

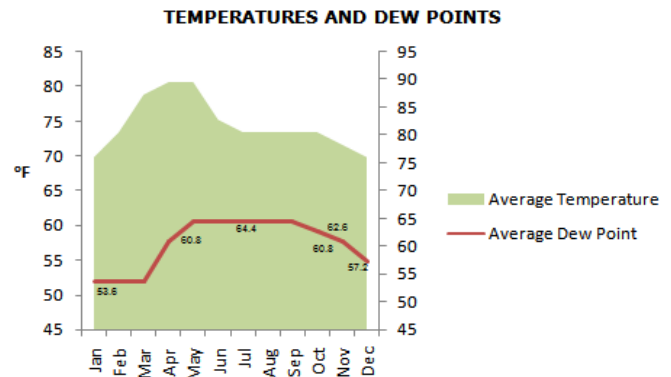
- Water plays an integral part in the greening process of the SUMMER TOWN INTERIORS.
- Special efforts have been taken to minimize water use by installing water efficient fixtures.
- Low flow dual-flush toilets, sensor based urinals and other low flow fixtures have been selected to install at site to reduce water consumption by over 32.20%.



ENERGISING THE BUILDING



- Energy efficiency measures such as efficient lighting design, efficient HVAC design and AHU's with VFD are installed and thereby energy savings is more than the conventional building system.
- The project has achieved a 54.98% reduction in connected lighting power density much above the prescribed baseline allowed by ASHRAE/IESNA Standard 90.1-2004.
- Every effort has been made in the project to identify, procure and use only Energy Star rated equipment. Hence the project has achieved 94.3% of ENERGY STAR Rated Power for equipment and appliances.
- Providing metering equipments for monitoring the energy use in the building for the ongoing accountability and optimization of building energy and water consumption performance over time.





RESOURCE MANAGEMENT

- Project ensures the reuse of 64.3% of existing interior elements (walls, ceiling, flooring etc.,)
- The project has achieved a combined recyclable content value of 10.80% of total material by cost thereby reducing virgin material exploitation
- About 25.80% of the total material cost was manufactured and extracted regionally thereby reducing the pollution due to transportation
- 5.5% of the total materials by cost used in the project are from rapidly renewable sources and 100% of the wood based materials by cost used in the project were FSC certified products.

INDOOR ENVIRONMENTAL QUALITY



- Installation of Co2 sensors in densely occupied space providing a mechanically ventilated space.
- Provision of more than 30% breathing zone outdoor ventilation rate to all occupied spaces.
- In addition, low emitting adhesives, paints and carpets have been used to enhance the indoor environment and provide superior workplace for all employees.
- After completion of all interior activities, the project has done proper building flush out in line with LEED requirement to enhance their staff working spaces.
- Provision of a thermally comfortable environment that supports productivity and well-being of all building occupants.
- Provision of 100% direct line of sight to all the occupants.
- Daylight reduction or glare control devices increases the daylight effectiveness.

NOVELTIES

This project instituted a Green house-keeping program that creates awareness and promotes green concepts. Educative and multiple media information (news articles, blogs, advertisements and artworks) emphasizing on green facts got this project an additional credit under Exemplary performance and innovation category.

The interior was designed by Summertown with sustainability inputs and advice from En3 to showcase various green measures and practices, creating a dual purpose space; a live working space for Summertown employees and a showroom to promote green initiatives to visiting parties and spearhead the green movement in the UAE.

KEY DISTINCTIONS

- Summertown Interiors is the FIRST Interior Fit-Out contractor in the Middle East to occupy LEED Gold certified interiors.

En3 would be glad to answer any queries or questions you have on any green or sustainability related topics. Feel free to contact us at info@en3online.com and for more information visit us at www.en3online.com.