

## THE GREENS RESIDENTIAL BUILDING

Dubai, UAE

### Building Type

Hi-end Residential

### Size

B + G + 4F 10,000 m<sup>2</sup> GFA  
50 Apartments

### Project Highlights

- 1,100KW chillers
- 165 KVA standby generator
- 7,000 L/S of fresh air
- 18,000 L/S of basement ventilation
- 165 KVA standby genset
- CEBS



### Architect / Client :

BBSG / Dutco

The pristine location required this hi-end residential building to be designed for all electro-mechanical services to be of the highest quality and sustainability as per Client's brief.

The use of primary variable flow for chilled water circulation matched to demand, use of total enthalpy transfer air-to-air heat exchangers for pre-cooling outside air using general extract, use of CO/CO2 sensors to ensure basement ventilation, use of flow-control devices on plumbing fixtures, use of motion sensors to control lighting in common areas and frequently used spaces, use of CFL/LED lamps in common area electrical fixtures etc are some of the key features of this buildings.

Life safety systems complying to Authority as well as NFPA requirements are provided with CEBS, standby generator, clean agent fire spread protection etc to ensure tenants sleep with total peace of mind safe in knowledge of a secured abode

Mario Associates provided the complete MEPD Engineering, design and installation supervision of this prestige installation. Design commenced June 2013 and building completed & handed over with immediate full occupancy on March 2016.

