



FAIRMONT PALM HOTEL AND RESIDENCES





Concept & Location

The Fairmont Palm Hotel and Residences is a 5 stars hotel project, located in the iconic Palm Jumeirah development in Dubai. A brainchild of the famous Fairmont group, renowned for high class, luxury hotels around the world, The Fairmont Palm Hotel and Residences is synonymous with tasteful aesthetics.

The projects consist of 381 rooms and suites, spread over 14th floors, with a basement, Entrance and Beach Level. The first 10 floors consist of the king/Queen Rooms, deluxe Suites, a privileged Gold Lounge, Presidential Suites, Restaurants, SPA areas and Swimming Pools. The Hotel and Residences premises occupy over 460 metres of beachfront on the trunk of the famous Palm Jumeirah, offering a spectacular view of Dubai's shoreline.

The Palm Hotel and Residences also houses exclusive penthouses and PRCs which are located in the upper levels from 11th to 14th Floor. The 3 Penthouses and 10 PRCs are isolated from the lower levels to deliver a unique ambience.

The Palm Hotel and Residences also houses exquisite restaurants, cafes, a willow stream spa, banquet, meeting rooms and a business centre that can host corporate meetings and events. In addition to the hotel, the resort will also feature signature restaurants (including a jetty restaurant extended 135m into the sea), a health club, an outdoor leisure activities centre, beach clubs, and three swimming pools set in extensive landscaping.

The Fairmont Hotels & Resorts portfolio includes iconic luxury hotels, like the Fairmont Singapore, Fairmont Le Montreux Palace in Switzerland and New York's The Plaza.

The Fairmont Palm Hotel and Residences are designed to cater to the needs of sophisticated travellers who are interested in culturally rich experiences that are authentic to Dubai. The Palm Hotel and Residences development is committed to responsible tourism and is designed to be an industry leader in sustainable hotel management with its award-winning Green Partnership program.

Fairmont Raffles Hotels International, the owners of the global Fairmont chain, has a successful relationship with DSE, having partnered on the iconic Fairmont Palm Residence project earlier. The company invited Drake & Scull Engineering to carry out the complete MEP works for the development.

DSE has been able to meet the client's expectation in terms of quality and deadlines, and the Fairmont Palm Hotel and Residences is all set to be a spectacular addition to the bustling Palm Jumeirah development in Dubai.



Scope of Work & Innovation

DSE were contracted to undertake the complete MEP works for the lower levels of the Palm Hotel and Residences development. Due to DSE's strong performance, Fairmont extended the scope of work to include the upper levels, housing the deluxe penthouses. The time span was suitably extended to take into account the additional nature of work.

Within two months of working on site, DSE were able to achieve significant progress on site. DSE completely finished the installation of 54 AHU's and 105 Fans, which was a significant milestone in MEP terms.

The project itself faced difficult times since inception, with the global economic slowdown proving to be a major hurdle in terms of pace of activity. But with constant interaction with the client, DSE was able to achieve strong support and cooperation with various teams on site.

DSE took the lead in dealing with the pending issues and new developments with the advice and support of the client and consultants in order to accelerate the pace of the project. DSE's proactive approach was lauded and appreciated by the clients who were happy with DSE's pace of progress on site. At the peak DSE's team on site included 62 staff and around 750 Labourers.

DSE's strong planning and professional approach allowed it to move into the site at a time when a lot of Civil and External work had already been achieved, and the MEP works progress was integrated into the overall project progress without a hitch.

DSE has been able to complete the MEP works on site and is currently undertaking the Testing and Commissioning aspects of the installed works.

One of the unique aspects of the Fairmont Hotel and Residences project is the implementation of a Central Hot Water system which is a first for a project of this nature and size.

A Central Hot Water system provides hot water to the entire development, except for the external buildings (which source hot water by means of a decentralized hot water system at each of these buildings).



The installation of the hot water system consisted of the following elements:

- Vertical hot water storage vessels
- Electrical constant temperature primary heaters
- Electrical In-line secondary heaters for recuperation of heat losses to piping system
- Piping system inside plant room including pipe headers, valves, strainers, non-return valves, control valves etc
- Lagging and cladding of hot water vessels, constant temperature heaters, inline heaters and hot water piping
- Automated electrical control panel providing power to all equipment and all necessary control equipment
- Electrical wiring, cabling to all equipment and controls

The project also proved to be a challenge in terms of emergency response and preparedness. DSE's Risk Management and disaster response skills came to the fore when a fire broke out on site. However, pre-emptive planning had ensured that the damage done to the equipment was minimal and more importantly, the safety mechanisms employed by DSE on site ensured that no casualties and injuries were reported in what could have been a potential setback to the construction progress.

DSE's storied history of MEP works in prestigious hotel development projects allowed it to contribute strongly to the development of Fairmont's vision of realizing a high class, luxury resort in the iconic Palm Jumeirah in Dubai.

DSE's commitment to Fairmont's vision has helped them overcome the setbacks posed by the economic recession and accelerate the project through to completion. DSE's efforts have proved to be vital in ensuring a successful opening for the Fairmont Palm Hotel and Residences, which is a widely anticipated and eagerly awaited addition to Dubai's booming hospitality industry.