

Cayan Business Centre, Dubai

Cayan Business Centre is a freehold commercial tower in Tecom on the Sheikh Zayed Road. This 12 storey office block has 4 levels of underground parking, retail areas, a stylish atrium and accommodates offices of between 1700 and 12,000 sq. ft. The atrium, which allows natural light to illuminate the building has a stylish water feature giving the feeling of space and tranquillity.

Green Optima was selected to design, engineer, supply & commission an open building automation system to control its building services with the ability to utilise leading edge internet technology which is energy efficient and easily expandable to support planned future developments. Chilled water, Fresh air AHUs supply tempered air, Fan coil units are all BMS controlled. Car park ventilation is controlled and monitored by the building management through CO detectors which will also alarm if high levels of the gas are detected.

Staircase Pressurisation Fans, Lifts, Generators, water tanks along with all pumps and fans are controlled and/or monitored by DDC controllers that were strategically installed throughout the building to ensure control and monitoring all of the essential building systems. Lighting control for all public and common areas was also carried out by Green Optima.

The System

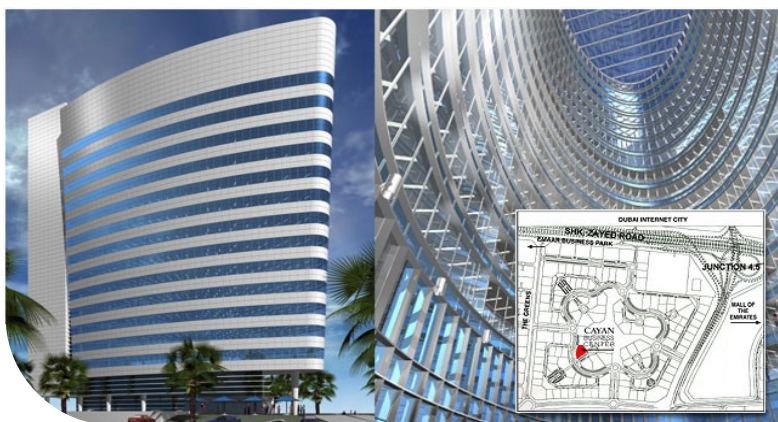
- Chilled Water Plant
- Car Park Ventilation
- FAHU
- Extract Fans
- Fan Coil Units
- Water Tanks
- Electrical Monitoring
- Stair Case Pressurization
- Lighting Control



The Challenges

- Prestigious office development
- Rigorous and demanding specification completed on time and on budget
- Giving flexibility along with energy efficient control solution
- Open system, future proofed technology

Intelligent Buildings-Smart People



Products

Consultant

Contractor