

Manila, Philippines



International Quality

"At Par with New York, London and Tokyo"

"Before we even started the project," said Mr. Perry Uy, "our group chairman Ambassador Alfonso Yuchengco said that this should be the best building in the Philippines and absolutely nothing should come close." The RCBC Plaza in Makati City, headquarters for the Yuchengco Group, had to meet the latest international standards, with five-star amenities and state-of-the-art facilities. "Everything down the line, we wanted to have the best. We wanted it to be the best in the Philippines, at par with the best in the world. "The movement of people through the structure was considered an important factor in gauging the quality of the building. "We hired major foreign consultants to help us design the elevator system. We were very concerned about having the best elevators and escalators to maintain the quality of the building. "Mitsubishi won from among a limited tender by the top elevator companies in the world. "We chose Mitsubishi for their competitive price and good quality. We have to make sure that we have the best maintenance also. "Planning, construction and installation of the 48 elevators in the building's two towers proceeded without any problems or delays, despite the fact that the elevators were required during construction of the building. Mr. Uy trusts that the problem-free relationship continues into the future. "We hope that we have made a quality purchase. We know Mitsubishi has a good name for elevators, and we know that there is a big company backing us up, and we are hopeful that this is a partnership. We expect these elevators will be here for a long time".



The lobby of the RCBC Plaza, Makati City.



The elevator entrance hall.

Mr. Perry Uy
President, RCBC Realty Corporation

An Intelligent Building for Manila's New IT Zone

The RCBC Plaza is the first IT-zoned office development in Makati City. Designed by the renowned New York architectural firm of Skidmore, Owings and Merrill, the building comprises of 48 and 41-storey office towers and a three-level podium for commercial establishments. Its five-star facilities include a theater, a museum, a gym, spa and swimming pool, banking chambers, fine-dining restaurants, a VIP lounge, and an ultra-modern 850-seat food court with smart-card payment. The Yuchengco Institute for Advanced Studies provides many state-of-the-art training rooms and houses the evening programs of De La Salle Graduate School of Business and College of Computer Studies. The most intelligent building in the Philippines, the RCBC Plaza is fully wired so that any company can plug in immediately to broadband internet, cable TV and computing services. Mitsubishi installed 48 elevators in the complex, including four high-speed (7.0 m/s) units to service the tower, as well as 6 sets of escalators in the podium.



The spacious, light-filled podium links the two towers.



The two towers of the RCBC Plaza dominate the area.

PM Motor Traction Machine

Mitsubishi Electric's "Quality in Motion" is not a static thing. It keeps evolving and improving, bringing even more quality benefits. Mitsubishi pioneered the incorporation of the rare-earth permanent-magnet (PM) motor in gearless traction machines for high-speed elevators. This unique application of PM motor and dual disk-brake system to the elevator traction machine enables several improvements—including higher efficiency, energy savings, miniaturization and greater ride comfort. Because it no longer requires an exciting current, the PM motor delivers higher efficiency and faster response speeds compared to conventional motors. Furthermore, its improved efficiency delivers energy savings to elevator operation. The PM motor uses optimal control to suppress "groove higher harmonic noise" to a level below that of conventional induction motors. This reduced noise and vibration translates into a more comfortable ride for passengers. The adoption of the "neodymium" permanent magnet technology allows extensive miniaturization. The new machines are smaller, lighter and more compact compared to conventional induction traction machines. At the same time, the incorporation of a dual disk-brake system further reduces the unit's height.



The PM gearless motor offers energy savings and smooth performance.

- Saving energy and space
 - High-efficiency transport mechanism
 - Environment-conscious industrial waste treatment
 - Comfortable, quiet ride
 - Smooth door operation
 - Welfare-awareness / Universal design
- EFFICIENCY**
- COMFORT**
- SAFETY**
- Riding and boarding safety
 - Safety in emergencies
 - High reliability
 - Safe service spots

Number One for Quality

Quality in Motion

ELEVATORS AND ESCALATORS

www.mitsubishi-elevator.com