RINGO DCI
DATACENTER

“RINGO” iplan* datacenter

iplan* is one of the leading companies in the provision of Telecommunications and IT services for companies and homes in Argentina.

The only company in the market that connects with all its customers through a Fiber to the Home (FTTH) network. It was founded in 2000 and has been growing steadily for more than 20 years.

Has **the most modern Datacenter in the region** called RINGO DCI, which is located in the Technological District of the City of Buenos Aires - the nerve center with the highest technological growth in the country.

General information

Location
Los Patos 2948/2954 Parque Patricios, City of Buenos Aires. Owned land of 1,550 m2.

Design model
TIER III.

Building
1,200 m2 of raised floor for IT rooms + 1,100 m2 of facilities and 1,000 m2 for UPS and power rooms. Modular expansion in 2 phases.

Design and potenciality

- 504 rack positions (Size 1200mm, 19 ", 45u).
- 2 Pop Carriers, 8 rack positions for connection, FO and copper distribution.
- 6 generation positions with maximum capacity up to 1.25MVA C / U (7.5MVA).
- 7.7Kw maximum power density per stage 2 rack, Homogeneous Distribution.
- Up to 20Kw maximum per rack in restricted distribution.
- 4 transformation positions with maximum capacity up to 2.25MVA C / U (9MVA).
- Up to 90 Workstation positions.
- Up to 22 garage positions.

Electric power

- Double electrical connection I Medium voltage ringed power supply (13.200V) on divergent paths.
- Medium voltage distribution center I Two 2,500 KVA dry type transformers (13,200V / 380V), with the capacity to install two additional ones for future growth.
- Low voltage distribution center I Power distribution by 2 (two) totally independent circuits. Each circuit supports the entire energy consumption of the Datacenter.
- Power backup I It has 2 (two) 1,250 KVA Generating Sets, one for each power distribution circuit. Each of the Generating Sets supports the entire energy consumption of the Datacenter.
- UPS (Uninterrupted Power System) 1000 KVA (parallel of 2 UPS of 500KVA) one for each circuit, expandable according to growth up to 1.5 MVA. Each UPS parallel supports the full power consumption of the Datacenter.
- Density I 1.66 kw per m2 - 4Kw per Rack.

Refrigeration

- Cooling I Cold water-cooling system. 680W chiller (water chillers) in N + 1 configuration per phase. Water containers for power outages + 12 tan internal coils in N + 4 configuration for each phase.
- Electronically controlled CRAH (Fain coil) equipment to condition the operating room in both temperature and humidity.

Fire detection

- Fire detection system by means of smoke sensors, and extinguishing by double pre-action water system.
- Early detection system by aspiration.
- Photoelectric and optical sensors, spatially distributed that report to an alarm center.
- FM 200 gas extinguishing in electrical infrastructure rooms.
- Hydrant system + pre-action, powered by a submersible jockey pump and two 55KW cascade pumps, with a 40,000-liter reserve tank.
- Fire extinguishers distributed according to current regulations in the City of Buenos Aires.

Safety

- Monitored from the control center.
- Man Trap system for the access of people and Car Trap for the entry of vehicles.
- Admission to rooms controlled by a security magnetic card system managed according to user profile.
- Biometric fingerprint readers.
- Security personnel 24×7×365.