



# DATA CENTER

## KIO Mexico 3

### (MEX3)

KIO is an international company, founded in 2002, a provider of mission-critical Information Technology services that operates state-of-the-art Data Centers with the highest security, availability and density in Mexico, Colombia and Central America. KIO hosts a robust and wide ecosystem of different industry sectors in the region within its Data Centers ensuring a professional, redundant, scalable and secure environment.

KIO MEX3 joined the KIO portfolio in 2014.

KIO MEX3 located at: Alfonso Nápoles Gándara 50 PB, Colonia Peña Blanca Santa Fe, Mexico City, 01210.

Coordinates 19° 22' 22.7" N 99° 15' 37.8" W

### CHARACTERISTICS

#### Design

It has a computer room with an area of 902 m2, with a false floor that has a height of 0.50 m reinforced with earthquake-proof pedestals, with a category-4 structure.

#### Electrical capacity

It has four 225 kVA UPS and two 130 kVA UPS that are redundant and have sufficient capacity to provide uninterrupted and filtered power to all of the installed equipment.

#### Redundancy

2N in the electrical equipment, with two 1 MW emergency power generator. It also has 4 diesel storage tanks, providing 4-day autonomy. The cooling equipment has an N+1 configuration.

#### Power supply / Service drop

Medium-voltage (23 kV) power supply / service drop.

#### Energy efficiency

Cold aisle containment which helps to deliver an average PUE of 1.7.

#### Fire protection

There are 5 two-factor authentication (proximity and facial recognition biometrics) controls, with a 7x24x365 Video Surveillance system with a 90-day storage capacity. The center has received Payment Card Industry Data Security Standard (PCI) certification.

#### Qualified personnel

There are trained and qualified operating personnel 7x24x365 days a year.

#### Carrier neutral

Open invitation to all Carriers.

The current Carriers are:

- ATC
- Axtel / Alestra
- Flō Networks
- Telmex
- Total Play

KIO also has a high-speed interconnection network among its Data Centers.

#### NOC

Advanced operations and network monitoring center.

#### Security

There are 5 two-factor authentication (proximity and facial recognition biometrics) controls, with a 7x24x365 Video Surveillance system with a 90-day storage capacity. The center has received Payment Card Industry Data Security Standard (PCI) certification.

### PHYSICAL CHARACTERISTICS

Type of walls	Reinforced concrete
Wall thickness	20 cm (7.87 inches)
Perimeter wall	Yes
Construction of perimeter wall	Reinforced concrete
Wheelchair access	Yes
Dedicated Data Center building	Yes
Distance to a police station	2.5 km (1.55 miles)
Distance to a fire station	3 km (1.86 miles)
Raised floor - Concentrated load	567 kg (1,250 lb)
Raised floor - Uniform load	2,216 kg/m2 (454 lb/ft2)
Raised floor - Impact load	65 kg (143 lb)
Raised floor - Last load	2,222 kg (4,898 lb)
Maximum cabinet capacity	372 approximately
Space availability with perimeter cage	Yes
Height above sea level (meters)	2,250 m (7,381.89 ft)
Distance to the ocean (kilometers)	280 km (173.98 miles)

POWER CHARACTERISTICS

Redundancy	2N
Availability	ICREA Level III
Design capacity in m2	0.840 kW / IT
UPS capacity	225 kVA (x4) 130 kVA (x2)
Transformer capacity	1,000 kVA
Number of power connections	1
UPS autonomy time	7 minutes
Diesel autonomy time	4 days
Total diesel tank capacity	17,300 liters (4,570 gal)
Number of generators	2
Total generator capacity	1,000 kW

SECURITY

Access control	Mantrap
Authentication factors	Two (Facial biometrics and proximity card)
Visitor log	Yes
7x24 Security personnel	Yes
Security cameras	Yes
Minimum DVR recording time	90 days
Fire detection	VESDA
Automatic fire extinguishing	Through Gas FM-200

COMMUNICATIONS

Copper wiring	Category 6A or higher
Fiber wiring	Single mode and multimode
Wire covering	Plenum and/or LSOH
Space for Carriers	Yes
Site Entry	Yes

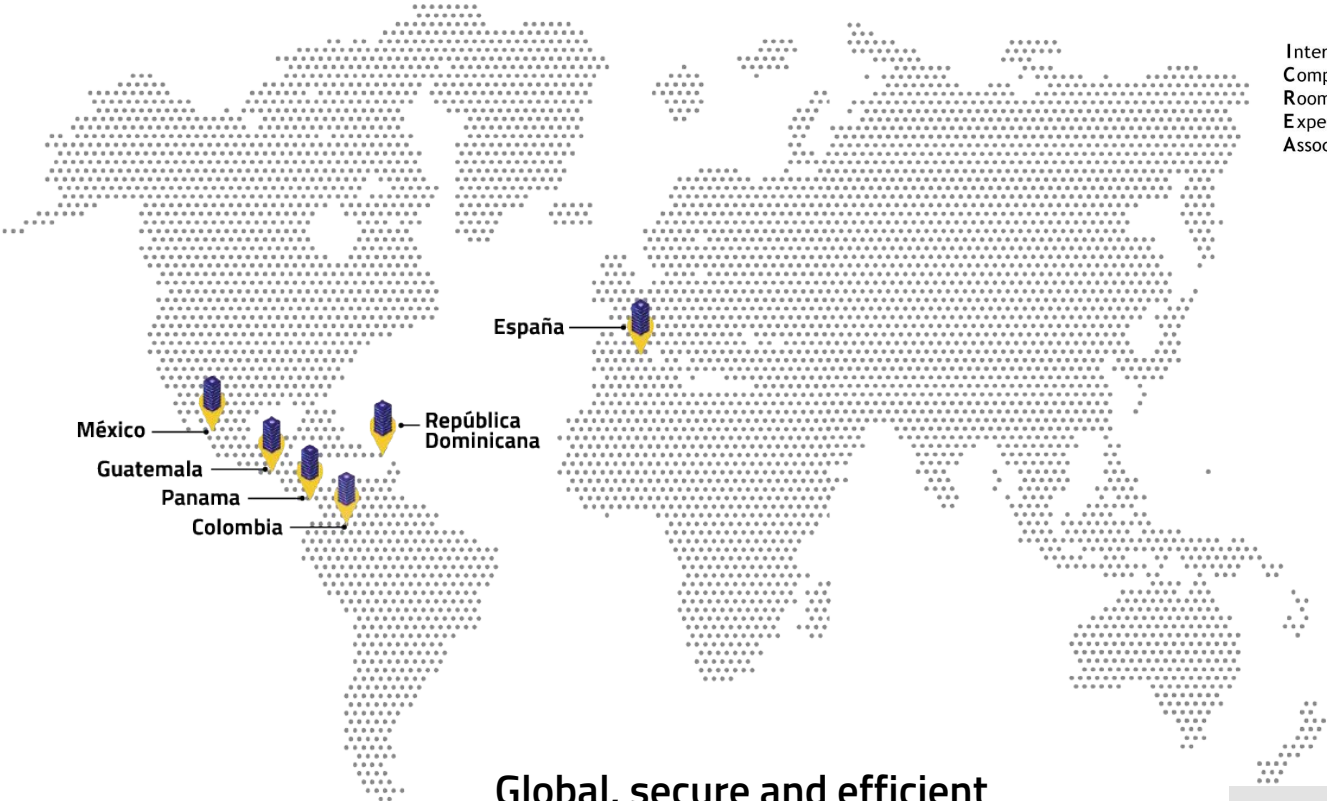
CERTIFICATIONS

ICREA Level III	ISO/IEC20000-1:2018
SSAE18 SOC1	ISO/IEC27001:2013
PCI DSS	ISO/IEC 9001:2015
	ISO/IEC 37001:2016



SSAE18

International  
Computer  
Room  
Experts  
Association



Global, secure and efficient  
Data Centers for your business

Edition 21/09/2023