



DATA CENTER

KIO QRO|2

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, Central America and the Caribbean. 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.



20°33'59.2"N 100°15'24.8"W

QRO|2 began operations in 2024 and is one of **the most advanced** data centers in the region, with the best features and standards in design and construction.

Located 200 km from Mexico City at:
Cerrada de la Princesa No. 4, Parque Industrial El Marques,
Queretaro, 76246

CHARACTERISTICS



DESIGN

2 constructed levels with a total of 3114 m2 which give place to 3 Data Halls



ELECTRICAL CAPACITY

12 MW of total IT load for the facility, through 5 blocks of 2 MW IT + 2 redundant Catcher blocks.



REDUNDANCY

Concurrently maintainable infrastructure for all electrical equipment, with **8 emergency generators** of **3 MW** each. Electrical intake at medium voltage with **6 MW** and **6 MW** in High Voltage.



ENERGY EFFICIENCY

Cooling is ensured through a Chilled Water system, including air-cooled chillers in a concurrently maintainable configuration. **Continuous cooling** for 5 minutes, achieving a design **PUE** of 1.5. We also achieve this by using **sustainable systems** like Closed Water Loops.



MONITORING

Equipped with a Building Monitoring System (**BMS**), which monitors the efficiency and correct functioning of all the data center's electromechanical infrastructure.



NOC

Advanced operations and network monitoring center.



SKILLED PERSONNEL

The facility has 24x7x365 operational staff.



CARRIER NEUTRAL

Open invitation to all Carriers. The current Carriers are:

Arelion	EdgeUno	Miami Transcoding	TotalPlay
ATC	Fibra TV	Neutral Networks	TV Rey
Axtel / Alestra	Flō Networks	Orange	USSI Global
Bestel	Gold Data	PCCW Global	Vivaro
BT Global	IENTC	Quattrocom	Wantelco
C3ntro	Izzi	Sierra IG	Zayo
Cirion	MCM (Megacable)	Starlink	
Cogent	Metrocarrier	Telmex	

Additionally, **KIO** has a high-speed interconnection network between its Data Centers and connects with others through **DE-CIX** and **Megaport**.



SECURITY

The facility has five security checkpoints with a 24x7x365 video surveillance system, capable of storing footage for up to 90 days.



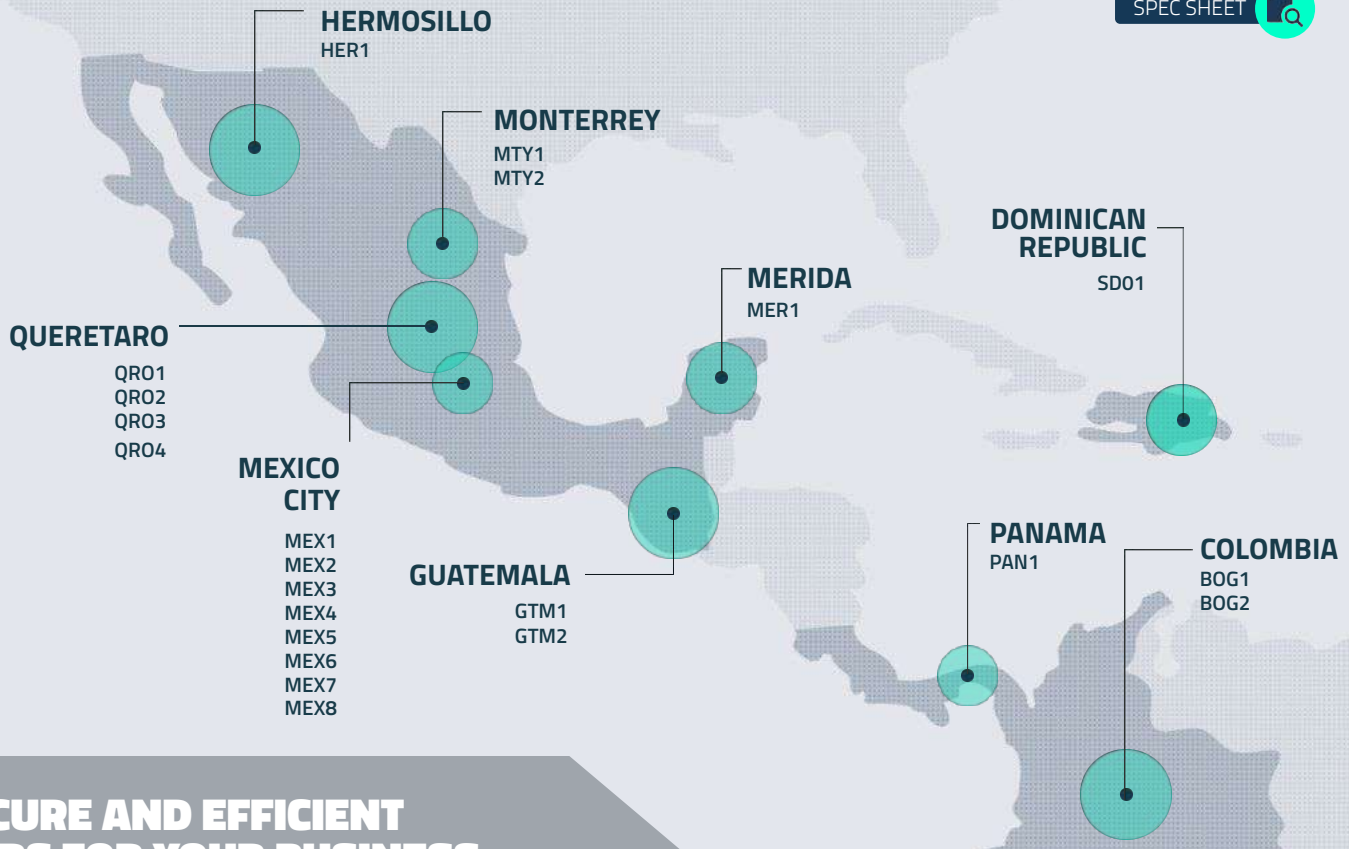
FIRE PROTECTION

Early fire detection through a Very Early Smoke Detection Apparatus (VESDA) and suppression via a double interlock pre-action system.

ELECTROMECHANICAL FEATURES (COOLING)

Access Control	Mantraps / Turnstile
Authentication factors	Proximity Cards
Visitor registration	Yes
Security Personnel 7x24	Yes
Security Cameras	Yes
Fire Detection	Very Early Fire Detection
Automatic fire suppression	Double interlock pre-action system

Total number of units	30
Number of redundant units	2
Cooling tons	4,249



GLOBAL, SECURE AND EFFICIENT DATA CENTERS FOR YOUR BUSINESS

PHYSICAL CHARACTERISTICS

+ Wall Type	Reinforced concrete
+ Wall thickness	20 cm (7.87 inches)
+ Perimeter wall	Yes
+ Construction of the perimeter wall	Reinforced concrete
+ Access for disabled individuals	Yes
+ Purpose-built Data Center building	Yes
+ Closest Police Station	3 km (1.86 miles)
+ Closest Fire Station	15 km (9.32 miles)
+ Technical Floor Area Data Hall 1	1,453 m2 (17362 ft2)
+ Technical Floor Area Data Hall 2	1,773 m2 (17362 ft2)
+ Technical Floor Area MDA-A	21.08m2 (226.89 ft2)
+ Technical Floor Area MDA-B	21.08m2 (226.89ft2)
+ Technical Floor Area MPOE-A	21.08m2 (226.89 ft2)
+ Technical Floor Area MPOE-B	21.08m2 (226.89 ft2)
+ IDF-A	72.83 m2 (783.91 ft2)
+ IDF-B	72.83 m2 (783.91 ft2)
+ Independent room for UPS	Yes
+ UPS Room with A/C	Yes
+ Maximum cabinet capacity	1,552 approx
+ Maximum density kW/rack average	11 kW
+ Availability of space with perimeter cage	Yes
+ Elevation above sea level	1,880 m (6,167 ft)
+ Distance from the sea	679 km (421.91 miles)

ELECTRICAL CHARACTERISTICS

+ Redundancy / Availability	Concurrently maintainable infrastructure
+ Design power	4.5 kW / IT per m2
+ UPS / IT Capacity	1 UPS - 2000kW per bloq
+ UPS / Mech Capacity	1 UPS - 300kW per bloq
+ Continuous battery monitoring	Yes
+ Transformer Capacity	325 kVA
+ Number of electrical intakes	1
+ UPS autonomy time	5 minutes EoL
+ Redundancy in regulated distribution	2N en STSs / PDUs
+ Diesel Autonomy Time	48 Hrs per generator
+ Total Diesel Tank Capacity	300,894 litros totales (79,488 gl)
+ Number of generators	88 (2 catchers)
+ Generators Capacity	3000kW a 1880 MSNM

COMMUNICATIONS

+ Copper Cabling	6A Category or superior
+ Fiber Cabling	Monomode and Multimode
+ Cabling Insulation	Plenum and/or LSOH
+ Carriers Spaces	Yes
+ Site Entry	Yes