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 **MER1** started operations in 2017, Data Centers have TIER I characteristics.

KIO MER1 is located at Calle 11 #318, Santa Gertrudis Copo, Col. Montebello CP 97130 Mérida, Yucatán.

Coordinates 21°2'10.3"N 89°35'42.3"W

CHARACTERISTICS

Design
ISO High Cube 40" Container, White Floor of 21 m2 each Container, Ballistic Resistance Level 4 in accordance with UL752, against 2,000 pps projectiles.

Electrical capacity
Modular 60 kW UPS, which have sufficient capacity to provide uninterrupted power to all installed equipment together. It has an advanced battery monitoring system.

Redundancy
N in all electrical equipment, with a 135 kW emergency electric generator, with a diesel reserve providing an autonomy of 1.5 days, 3 CRACs in N+1, for each location

Power supply / Service drop
A medium voltage electrical connection from 13,200v to 220v and with a capacity of 150 KVA, for each location.

Energy efficiency
Average PUE of 2.

Monitoring
It has a Building Monitoring System (BMS), which monitors the efficiency and proper functioning of the entire electromechanical infrastructure of the Data Center.

Carrier neutral
Open invitation to all Carriers.
The current Carriers are:
- Totalplay
- Red IT
- Metrocarrier
- Megacable

Fire protection
It has smoke detectors, manual stations and audiovisual alerting in all areas. It has a Very Early Smoke Detection Apparatus (VESDA) early fire detection system and a double interlock preaction system.

NOC
Advanced operations and network monitoring center.

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

Security
It has a proximity card and physical key with a 7x24x365 Video Surveillance system, with a storage capacity of 90 days.

PHYSICAL CHARACTERISTICS

Perimeter wall	Yes
Wheelchair access	Yes
Dedicated Data Center building	Yes
Distance to a police station	3 km (1.86 miles)
Distance to a fire station	15 km (9.32 miles)
Technical floor area	21 m2 (10,763 sqft)
Raised floor - Concentrated load	567 kg (1,250 lb)
Raised floor - Uniform load	1,953 kg/m2
Raised floor - Impact load	79 kg (175 lb)
UPS room with redundant air conditioning	Yes
Maximum cabinet capacity	8
Height above sea level (meters)	10 m (32.80 ft)
Distance to the ocean (kilometers)	45 km (75.60 miles)

POWER CHARACTERISTICS

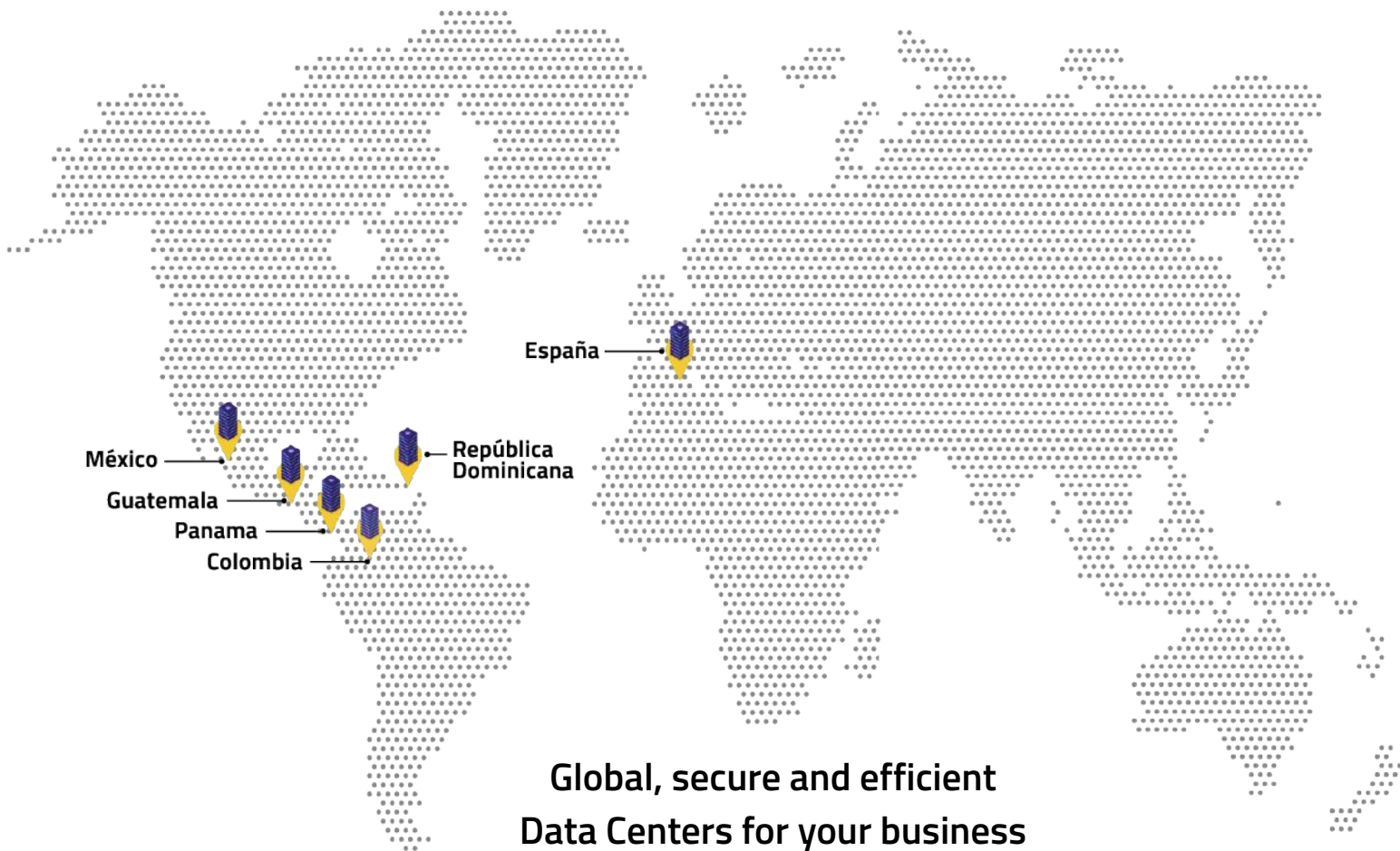|	
Redundancy	N
Availability	TIER I
Design capacity in m2	2.85 kW / IT
UPS capacity	60 kVA
Constant battery monitoring	Yes
Transformer capacity	150 kVA
Number of power connections	1
UPS autonomy time	10 minutes
Diesel autonomy time	1.5 days
Total diesel tank capacity	1,400 liters (369.84 gl)
Number of generators	1
Total generator capacity	135 kW

ELECTROMECHANICAL CHARACTERISTICS (COOLING)

Number of total units	3
Number of redundant units	1
Tons of cooling for the Data Center	30

SECURITY

Access control	through locks
Authentication factors	Proximity card
Visitor log	Yes
7x24 Security personnel	Yes
Security cameras	Yes
Minimum DVR recording time	90 days
Fire detection	VESDA
Automatic fire extinguishing	Double interlock preaction

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

México
Guatemala
Panama
Colombia
República Dominicana
España

Global, secure and efficient Data Centers for your business

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