

MEEZA M-VAULT 2 DATA CENTRE

MEEZA takes a big leap forward by building its M-VAULT 2 Data Centre facilities based on extremely high standards. MEEZA's M-VAULT 2 sets the standards in the MENA region by being the first and only Platinum LEED Certified Data Centre.

MEEZA's M-VAULT 2 was designed and built to Uptime Institute Tier III Standards, with 99.98% guaranteed availability.

KEY FEATURES and FEATURES

Highest Levels of Sustainability

As the only LEED Platinum rated data centre in the MENA region, M-VAULT 2 offers the highest levels of sustainability and energy efficiency. At high densities, M-VAULT 2 is 40% more energy and cost efficient than data centres that are not LEED Platinum Certified.

High Level of Standards

The M-VAULT 2 facilities are being managed and operated by ITIL Certified Professionals.

MEEZA's Service Desk that supports M-VAULT 2 holds a 4-Star Certificate by the Services Desk Institute.

Reliability, Resiliency and High Availability

To ensure the highest levels of availability, all critical systems in the data centre are concurrently maintainable with multiple levels of redundant capacity and paths for the power and cooling components. All building loads are supplied by 100% no-break diesel rotary uninterruptible power supply systems (DRUPS).

Besides system redundancy, MEEZA's Command and Control Centre (C3) operates, maintains and supports the electrical and mechanical systems 24 hours a day, 365 days a year.

As a carrier-neutral data centre operator, MEEZA can facilitate the complete range of connectivity options available in Qatar. The site is serviced by all network carriers with diverse routes and multiple active points of presence.

Physical and Operational Security

An ISO accredited and comprehensive security regime is in place at the data centre. Over and above site security, perimeter security and facility security, MEEZA has also implemented multiple layers of authentication, authorisation and audit controls. The physical and logical security controls in place provide the highest level of isolation and security management that is ideally suited for sensitive clients.

On top of these measures, M-VAULT 2 premises are completely monitored by a closed circuit TV system.

Ideal Disaster Recovery Site

MEEZA's M-VAULT 2, located about 30 kilometres from Doha, is a perfect, physically diverse disaster recovery (DR) site location in Qatar.



MEEZA M-VAULT 2 FACTS AND FIGURES

General

- Located at a purpose built highly secured facility in Umm Garn, 10km from Al Khor (~30km from Doha) within easy reach of the motorway network
- 10,000 m2 site with 3000 m2 raised floor technical space
- 500 m2 data halls
- Multiple meeting rooms available for client use
- Workplace recovery area available for remote working or business continuity

Power

- 15MVA Peak Load Capacity
- 4.5 kW per rack average
- 12 kW per rack maximum
- 10 Fault Tolerant Diesel Rotary UPS (DRUPS)
- 72 hours of onsite fuel storage

Connectivity

- Carrier neutral
- Multiple carriers
- 8 Tbps between MEEZA sites
- 2 redundant dedicated secure carrier points of presence

High Density Cooling

The design is based on American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) recommendations of 2008 to ensure maximum energy efficiency whilst providing an optimum operating environment for IT Equipment.

- High temperature limit °27C
- Low temperature limit °18C
- Temperature stability °5C/hour
- Upper moisture limit %60 RH and °15C Dew point
- Lower moisture limit °5.5C dew point
- N2+ resilience



Security & Fire Protection

- Complete CCTV coverage of all access points
- On-site physical security
- Three-layer security envelope with tri-authentication (Card + Code + Bio-metric)
- Anti-climb pedestrian weld mesh fence
- Perimeter detection system that is mounted on the fence
- 'Ditch and berm' providing hostile vehicle mitigation
- High pressure water mist system
- Automatic fire detection and alarm system designed in accordance with NFPA regulations

Monitoring

- Advanced BMS Data Centre monitoring
- 24x7 monitoring of all systems by MEEZA Command and Control Centre (C3)
- Intelligent power monitoring infrastructure

Service – Racks

- 47u high
- 800mm x 1200mm
- Individual locks
- 4.5 kW power upgradable to 12 kW

ISO Certification

- ISO 9001:2008 & ISO 27001:2005

If you want to learn more on how you can benefit from this facility, contact MEEZA at:

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