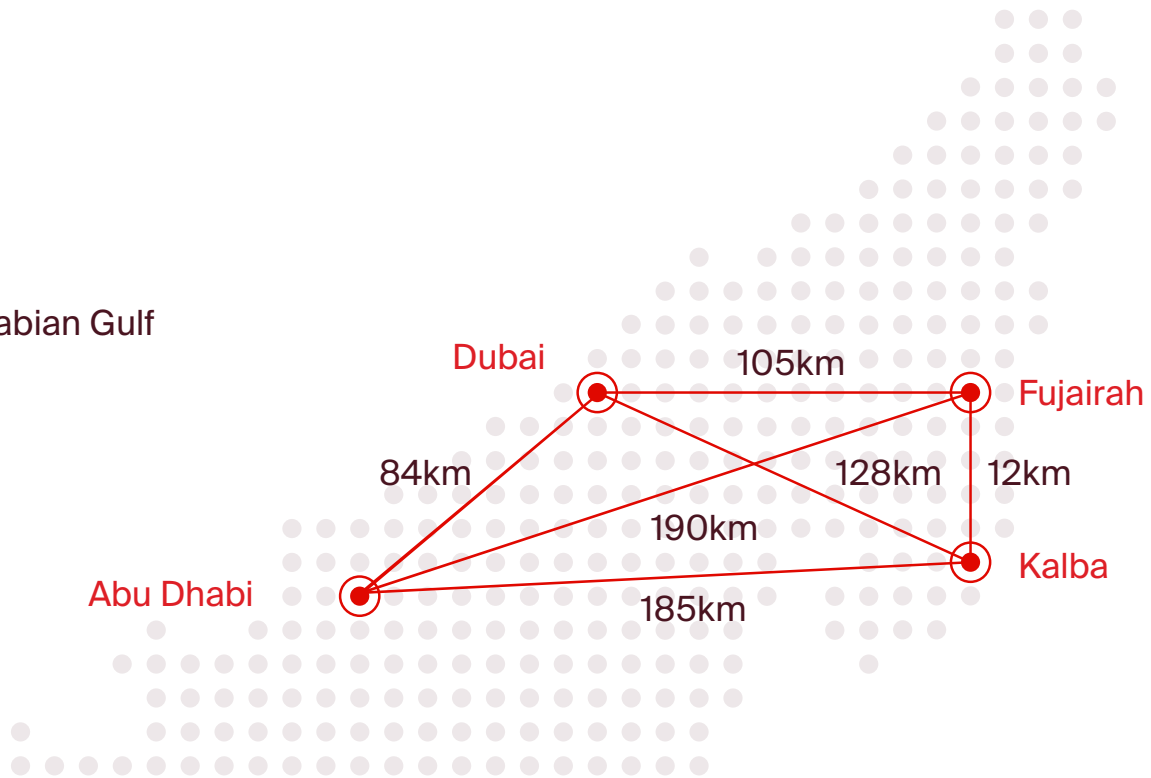


Smart Hub

Fujairah 4 Fact sheet



Arabian Gulf



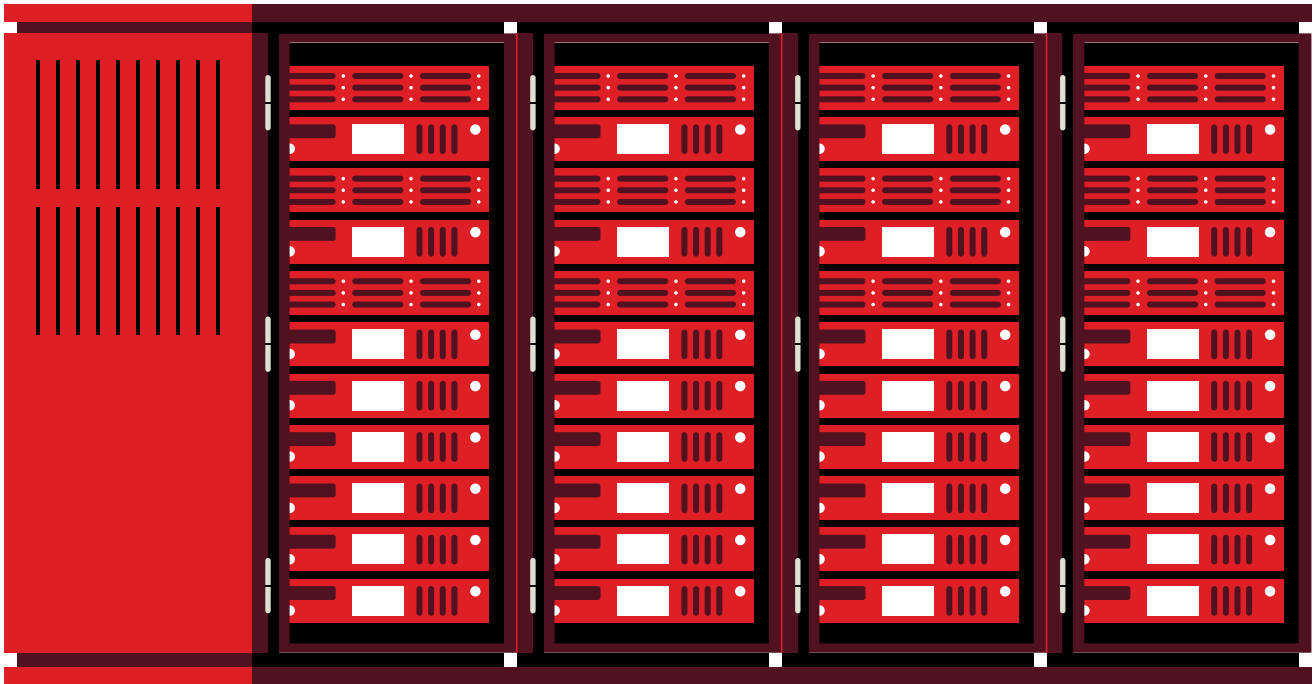
SmartHub Fujairah is the Middle East's leading digital gateway – now expanded with its fourth-Tier III data center facility. First launched in 2011, the campus has grown steadily to meet increasing demand from a diverse global customer base. With its latest 1.5 MW expansion, SmartHub offers direct access to the region's largest cable landing station and multiple independent subsea cable systems interconnecting the Middle East, Europe, the United States, Asia, and Africa. Its strategic coastal location enables ultra-low latency, with just 30 milliseconds to major regional capitals, reaching 2 billion people and provides a cost-effective, resilient infrastructure for colocation with secure access point into the world's most diverse and dynamic ecosystem of leading services, networks providers and partners. Hosting over 90 customers, including hyperscalers, Tier 1 carriers, CDNs, OTTs, and digital platforms.

SmartHub is a proven model to help build your perfect business platform. It is a highly connected data center that will enable you to meet the requirements of today and make you future-ready to capitalize on the full potential of tomorrow. Enhance competitiveness with the right infrastructure, in the right place. Built on the top of the biggest cable landing gateway, SmartHub Fujairah - acknowledged as 'The Carrier Hotel' has successfully evolved and has been recognized as one of the best innovations, winning many industries accolades. It is an ICT bridge between continents, thus giving you the physical proximity to minimize latency and deliver outstanding end-user performance by slashing the time it takes engineers to access and maintain your business-critical infrastructure.



Structural Design

- Modular G+2 Data Center with Main and fire escape staircases along with Cargo elevator.
- Ground floor Battery area loading is 3000Kg/Sq.mtr, other areas are provided with 1500Kg/sq.mtr.
- Equipment floors (First floor and second floor) are having floor loading capacity of 1500Kg/Sq.mtr



White Space

- Total IT space: 900 m2
- IT Power: 1 MW
- Number of IT halls: 2 Data halls (First and Second floor)
- Cabinets count: 200 Racks
- 800 mm High Raised Flooring with Perforated tiles

Rack Size:

- 800x1200x2400mm maximum 42 U racks
- Flexibility – Provision for hosting customizable racks

Rack Clearance:

- Rack clearance: 1200mm to 1800mm.

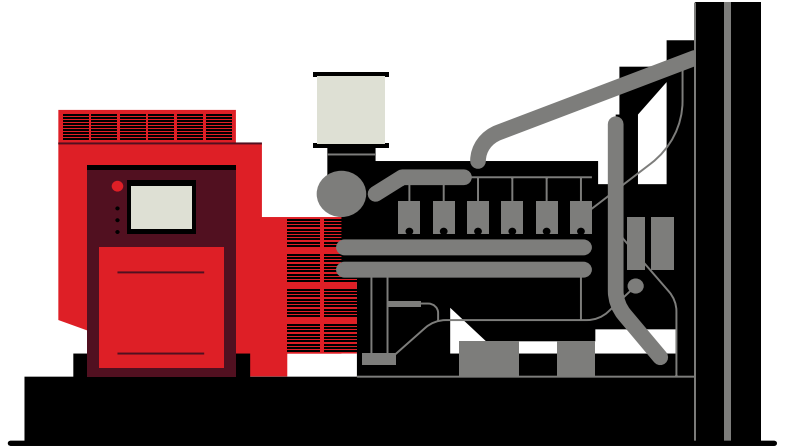
Electrical Design

Power

Transformers

3 x 1500kVA 11/0.4kV

- Utility main power will be served from 3 FEWA (Authority) 1500kVA Transformers.
- 11/0.4kVA and it's powered from TRM/QRM as per FEWA(Authority) approval



Generators

4 x 1900kVA /1200kW

- 4 sets of independent Genset of net size 1200kW, derated at 50Deg.C
- Ambient at an elevation of maximum of 300mtr above the sea level.
- Proposed model KOHLER T1900 is with S16R-PTA Mitsubishi Engine and KH04402T Kohler Alternator
- Capacity of 1900kVA configured as N+1.
- Each Genset will be capable of providing 1200.0 kW at a constant
- Load for unlimited run time for the site-specific conditions.

Generators capacity, fuel:

- N+1 (N=3), 1200KW and 24 Hrs. (5200 ltrs Base tank + 1500 ltrs day Tank)

Cooling and environment:

- Cooling: DX type under Raised floor with N+1

UPS

UPS System

3 x 500kW

- 1000KW IT loads are powered from 3 UPS systems in the N+1 arrangement, where N=2, and the proposed UPSs name plate capacities are 3 Nos x 500kW.
- The UPSs are connected to 1000kW IT computing loads and non-critical loads (2.7kW).
- UPS systems & Batteries are kept in UTILITY ROOM and all electrical panels are kept in the LV room.

Mechanical Design

Cooling

- DX CRAC Units configuration: N+1 redundancy
- DX Split FCU Units configuration: (N+1) redundancy
- Two DX Fresh Air Handling units with ducting is provided for both Data Halls and Utility spaces with necessary dampers.
- Raised floor height 800mm

Loading Bays

- Loading/ unloading bay convenient for receiving equipment packages from trucks
- Cargo elevator available

Emergency Exits

- One emergency exit in each floor

Network and Connectivity

- Tier I network provider
- Local and international network presence
- IP transit
- Fully diverse network distribution between the MMR and Data halls
- SmartHub-IX operates a robust IX site in Fujairah, UAE, with over 35 active members, creating a thriving ecosystem of ISPs, content providers, and enterprises.

Carrier-Neutral Meet Me Room

- Multiple Meet-Me Rooms (MMRs) for redundancy

Security (BMS/Monitoring)

- Visitor registration at guardhouse with prior approved access clearance
- 24/7 closed-circuit television (CCTV) monitoring system with digital recording
- 24/7 on-site security guards
- Access Control
- iBMS (Desigo)
- DCIM

Fire Protection

- Individual fire detection zones with smoke detectors
- Water Mist System
- Pre-action sprinkler system and FM200 gas suppression
- Smoke and heat detection sensors
- NOVEC 1230 for Equipment area & Water mist for Generators
- NOVEC1230 Clean agent Fire suppression system provided
- Equipment area is provided with AIR SAMPLING SYSTEM

Customer Experience

- 24x7x365 on-site SmartHub support team available

Certificates & Standards

- Tier III datacenter
- ISO/IEC 27001:2022
- PCI DSS V 4
- ISO 22301:2019
- SOC 2 TYPE II



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“The Most Valuable Portfolio Brand” in the Middle East and North Africa (MENA) by Brand Finance and has become the first group from the Middle East to break the USD 10 billion barrier in terms of wider portfolio value.

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