



## LOCATION at a GLANCE



## ABOUT MC DIGITAL REALTY

MC Digital Realty, Inc. is a 50/50 joint venture with between Mitsubishi Corporation and Digital Realty Trust, Inc. In addition to offering high levels of robustness and security, stable power supply, air-conditioning and other functionality, MC Digital Realty combines Mitsubishi Corporation's realty and IT-related knowledge with Digital Realty's network of overseas customers and expertise in large-scale data center operations to provide data center operation services to satisfy the global-standard needs of data center users.

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### VR 360 TOUR

Scan the QR code above with your mobile device and have a tour of our facilities today.



**MC DIGITAL REALTY**

## Osaka 2 Data Center (KIX11)

Minoh-city, Osaka, Japan

- Located approximately 20km from the City Centre
- Adjacent to our existing data centre Osaka 1 Data Center
- Optimized for Japan's climatic conditions with particular focus on flexibility, reliability and energy efficiency.



**MC DIGITAL REALTY**





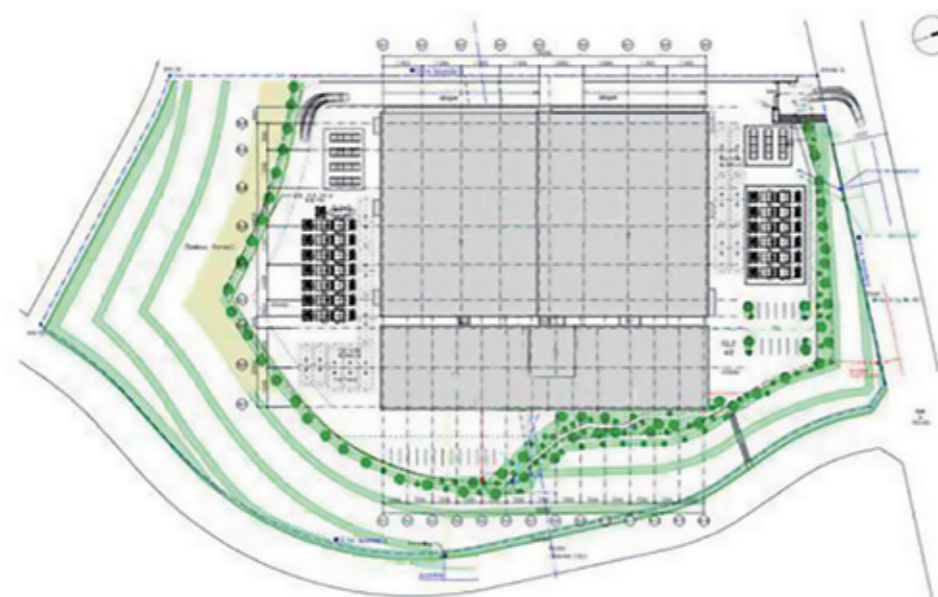
## THE FACILITY

- 20KM from the City Centre
- 23,155 square metres building with eight 3,500 kW TKF data suites (approx. 1,200 sqm each) at a 2.8 kW per square metre density. Onsite office, meeting rooms, break-out area and storage space
- available.

## KEY SPECIFICATIONS

- This Osaka facility is Uptime Institute Tier III design certified.
- Wall air-conditioning system – AHU with EC fan, hot aisle containment and ceiling return in N+2 in suite CRAH.
- Diverse and redundant 77 kV 50 MVA utility power supplies.
- Carrier neutral with multiple carriers on site
- Complete access to the Digital Realty Ecosystem
- Connected campuses are formed between adjacent data centers, and buildings can be connected as if they were the same data center.

## SITE PLAN



## KIX Campus Expansion Plan



## 99.999% UPTIME

Digital Realty data centres have achieved “five nines” , or 99.999% uptime for the 12th consecutive year since 2007.

Digital Realty surpassed 1.45 billion operating minutes across its 190+ properties, encompassing approximately 33 million square feet in 32 metropolitan areas around the world. Uptime metrics are based on a comprehensive evaluation of data centre suites owned and operated by Digital Realty worldwide, using standard industry methodology. Total operational minutes were prorated per year for each data centre suite, beginning on the commissioning date, from the start of 2007 through 2018.



## SPECIFICATIONS

### COOLING

- Designed in accordance with ASHRAE TC9.9 2011 Class A1 allowable conditions.
- Wall air-conditioning system – AHU with EC fan, hot aisle containment and ceiling return in N+2 in suite CRAH.
- High efficiency modular air cooled chiller using N+1 for each TKF data suite.
- Designed PUE of 1.40

### POWER

- Diverse and redundant 77 kV 50 MVA utility power supplies.
- Each of the TKF data suite has a dedicated 5 MVA/4 MW 6.6 kV gas turbine generator with back-up from a common ‘+1’ generator.
- 48 hours of concurrently maintainable onsite fuel storage at full load conditions.
- 2N power distribution pathway. High reliability dedicated N+1 parallel redundant UPS with 7 minutes battery autonomy for each TKF suite.

### CONNECTIVITY

- Carrier neutral with multiple carriers on site.
- Complete access to the Digital Realty Ecosystem.
- Diverse underground entry points to the facility and interconnection to KIX10 and KIX12.
- Diverse and redundant POP (Point of Presence) rooms.

### SECURITY

- Monitored by security camera 24/7/365 with digital recording and archiving.
- Dual authentication to the data suite with biometric scan and card access control.
- Onsite security personnel 24/7/365. Single entrance and exit.
- Compliance with the requirements of ISO9001, ISO14001 and ISO27001.

