

Osaka Data Centre

Saito, Ibaraki-shi
Osaka, Japan



DIGITAL REALTY

Osaka Data Centre

A Digital Realty Datacentre

Our Osaka data centre provides you with move-in ready solutions scalable from a few kilowatts up to megawatts of power.

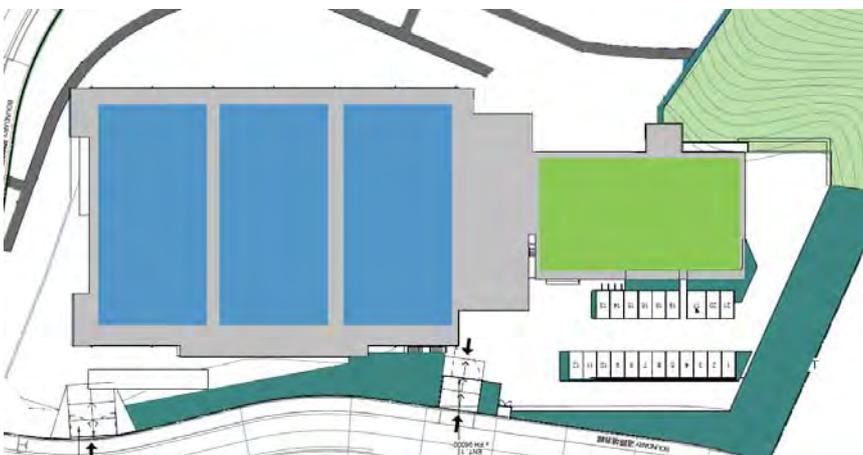
It is located 20 km from the city centre and is a 8,271 m² (80,000 sq ft) development offering excellent diversity from a power, cooling, security and connectivity perspective. The facility provides customers with multi-rack, cage and private suites configurations ranging from 2kW to over 2,400kW.

Digital Realty has deployed its latest global Connect@ScaleSM Data Centre Suites design topology optimized for Japan's climatic conditions with particular focus on flexibility, reliability and energy efficiency.

SITE PLAN

■ Data suite indicated rack layout

■ Colocation data hall



THE FACILITY

- Over 8,000 square metres of purpose built data centre development over 2 phases
- Three 2,400kW Connect@ScaleSM Data Centre Suites (approx. 900 sqm each) at a 2,666W per square metre density across each suite
- One 400kW colocation data hall (approx. 400 sqm) at a 1000W per square metre density across the colocation hall
- Onsite office space



UPTIME

The Osaka facility is Uptime Institute Tier III design certified.

SPECIFICATIONS

DATA SUITE ARCHITECTURE

- 800mm raised floor capable of supporting high density cooling
- 4.6m clear height from the raised floor to the underside of the soffit
- 12k-N per square metre structural loadings
- 52RU racks compatible

POWER

- Diverse and redundant 77kV 12MVA utility power supplies
- UPS total capacity of up to 7.6MW across 3 Data Centre Suites (7,200kW) and one colocation data hall (400kW)
- Each Data Centre Suites is 2,400kW and is supported by modular UPS (2 on system A and 2 on system B). The UPS systems are configured as N+1, giving a total of 2,400kW IT power capacity per suite

SECONDARY POWER

- Five 4MVA turbine generators per Data Centre Suites configured as N+1, giving a total of 16MVA back-up power capacity (the generators are rated to operate unlimited hours per Tier III certification standards)
- 4x75,000 liters fuel storage providing 48 hours of support at full load conditions
- Concurrently maintainable

COOLING

- 16 nos. of DX type CRACs with economizers configured on a N+1 basis within each data suite, giving the Data Centre Suites a low operational power usage effectiveness (PUE)
- Zero water is used
- Concurrently maintainable

FIRE PROTECTION

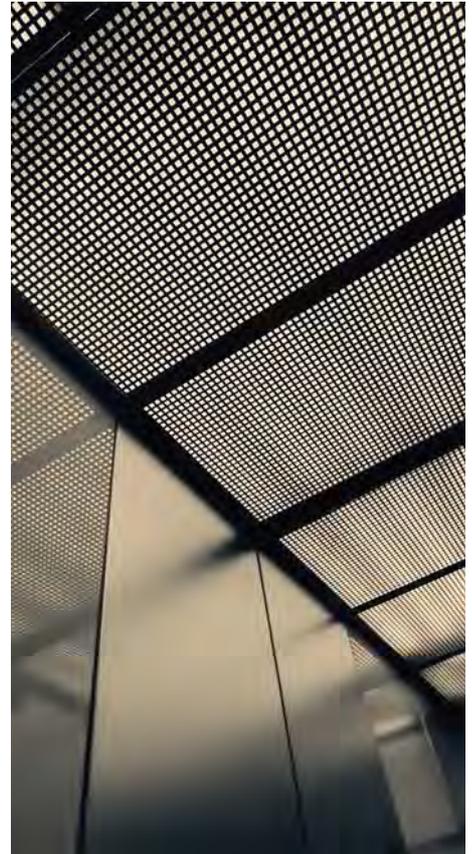
- Gas fire suppression system – as per local code
- VESDA and overhead and under-floor smoke detection system

CONNECTIVITY

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

SECURITY

- Premises 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
- Security systems complying with the requirements of ISO9001, ISO14001 and ISO27001 S



“ Digital Realty:
Where The Cloud
Lives
and
Business Thrives ”



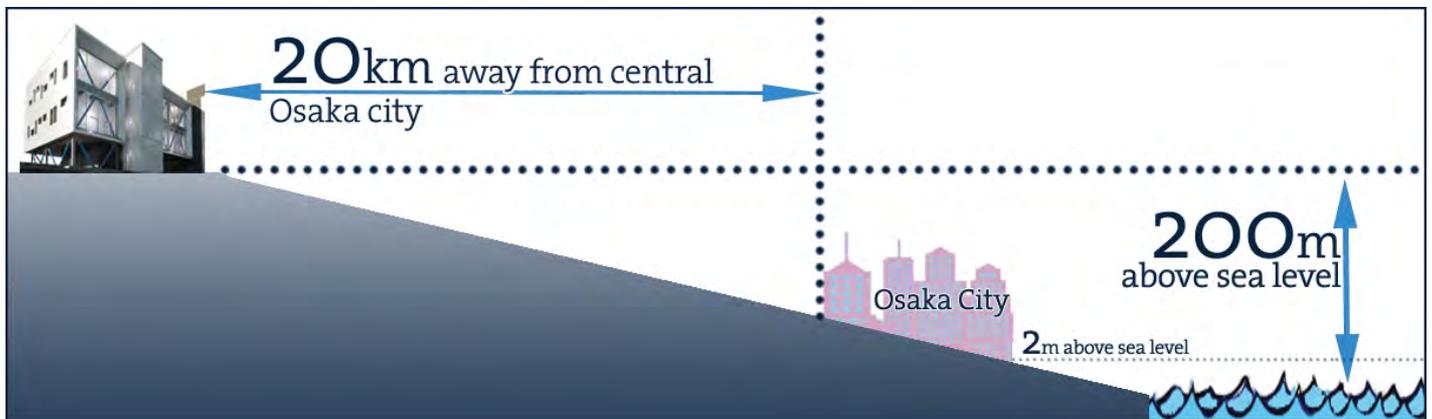
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TRAVEL TIMES

- From Osaka CBD 20 min
- From Osaka airport 40 min



Digital Realty (NYSE: DLR) supports the data centre and colocation strategies of more than 1,000 firms across its secure, network-rich portfolio of data centres located throughout North America, Europe, Asia and Australia.

Digital Realty's clients include domestic and international companies of all sizes, ranging from financial services, cloud and information technology services, to manufacturing, energy, gaming, life sciences and consumer products.

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