# Digital Loyang 2

Loyang Drive, Singapore

- Up to 50 megawatts (MW) of Critical Power Capacity
- Part of the Digital Loyang Connected Campus
- A Robust, Diversified and Neutral Connectivity Platform

**DIGITAL REALTY**

# The Trusted Foundation Powering Customer's Digital Ambitions

## OPENING Q3 2020

### THE FACILITY

Digital Loyang 2 (SIN12) will be capable of provisioning up to 50 megawatts (MW) of critical power capacity. Located less than 25 kilometres from Singapore's central business district, the new facility will be built on a site that will span a Gross Floor Area (GFA) of 34,000 square metres and will ultimately broaden opportunities for more international companies to expand into Singapore with their digital assets.

Both the existing SIN11 and planned SIN12 facilities are strategically located close to the Changi North landing station.

As announced in 2018, Digital Realty already has a relationship with Singapore Internet Exchange (SGIX) to provide local peering at Digital Realty's Singapore data centre facilities in Jurong West (SIN10) and Loyang Way (SIN11).
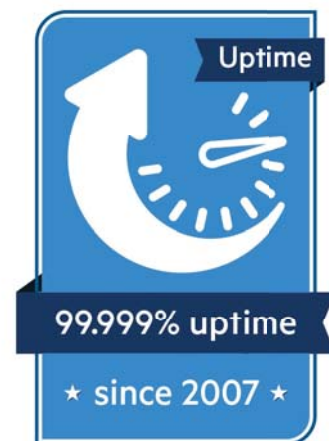
As a result of this partnership, customers in both facilities are benefiting from greater and more cost-effective connectivity options. These peering points on both ends of the island are enhancing the overall resilience of the peering solution ecosystem in Singapore.

### 99.999% Uptime

Digital Realty data centres have achieved "five nines," or 99.999% uptime for the 11th 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 2017.

# SPECIFICATIONS

## CONNECTIVITY

The SIN12 data centre in the east of Singapore will connect to our data centre in the west via dark and lit fibre services. By leveraging Digital Realty's ecosystem, Digital Loyang 2 customers will have access to a carrier neutral environment consisting of a wide range of telecommunications providers, service providers and business partners. Diverse and redundant fibre routes will run from outside the facility to fully redundant Point-of-Presence Rooms (POPs) located within the data centre.



### DATA SUITE ARCHITECTURE

- Five Storey Building
- Up to 7,100 Cabinets
- 15kg / m$^2$ Live Floor Loading
- Large Floor-plate design
- Flexible Floor plan Configuration
- 2 X 4,000kg Goods Lift access to Data Hall
- Cloud, FSI and Enterprise ready

### POWER
- 22kV Scalable to 66kV incoming supply
- Ultimately 50MW IT load capable
- Separate 11kV ring per floor
- 11kV generators distribution

### COOLING
- Target PUE Range 1.32 - 1.4
- Fan Wall or CRAH unit compatible
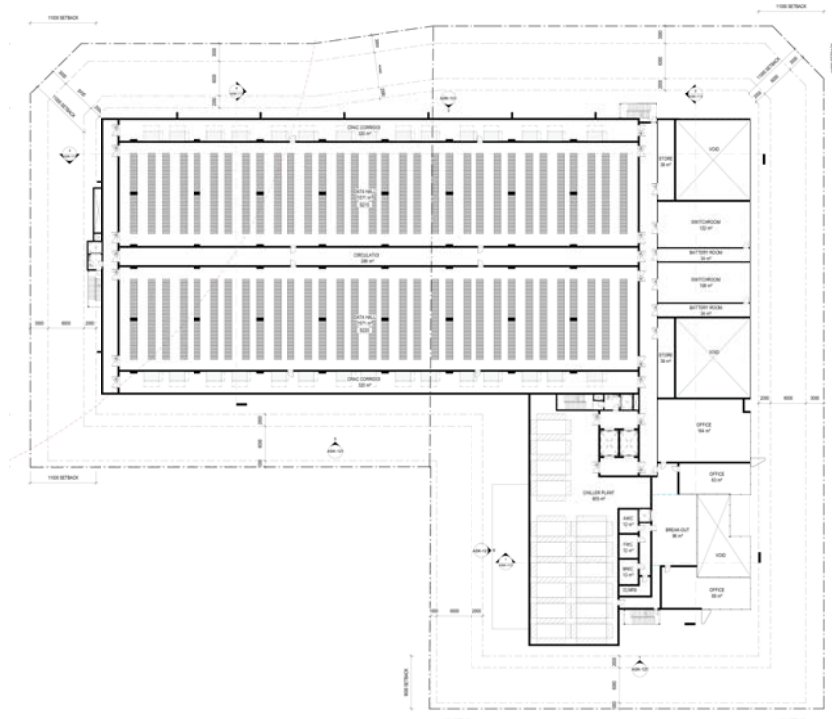- Modular Floor by Floor plan

### CONNECTIVITY

- Dark/Lit fibre links to Digital Loyang 1 (SIN11) & Digital Jurong (SIN10)
- Access to global Tier 1 carriers
- Diverse and redundant underground entry points to the building - 3 routes possible
- Diverse and redundant POE (Point of Entry) rooms

### SECURITY

- 24/7 onsite security
- 2-factor authentication with biometric access to the data centres
- 24/7 CCTV monitoring with digital recording and 90-day archiving
- Segregated Customer / Deliveries access
- Secure by design approach
- Regulatory Authority outsource guideline compliant
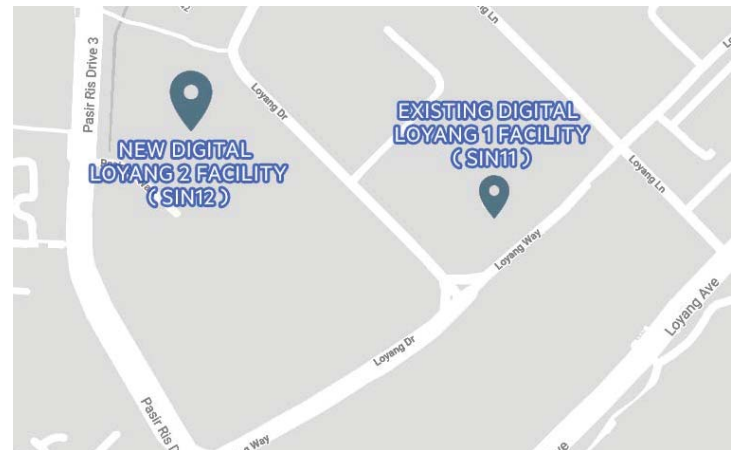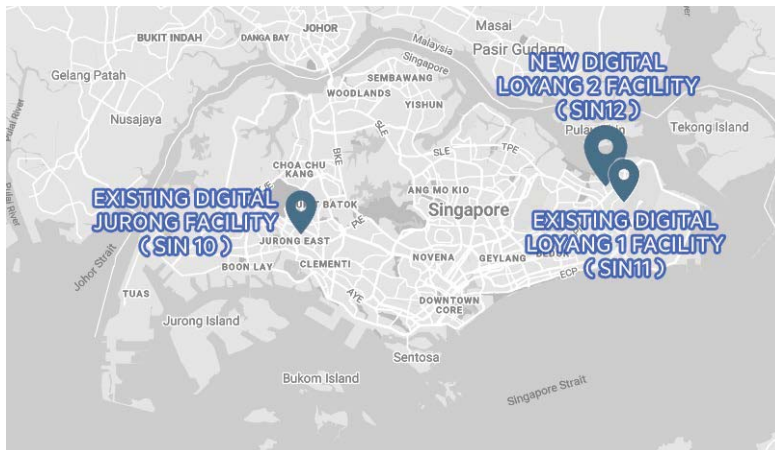
## Floor Layout

# Home of the Digital Cloud

## LOCATION

Strategically located in the northeast of Singapore, Digital Loyang 2 (SIN 12) is to form part of the Digital Realty Loyang Connected Campus with Digital Loyang 1 (SIN 11) which is just 350m (0.2 miles) apart. This new facility is also close to the Changi North Cable Landing Station.

## TRAVEL TIMES

- Singapore CBD                          25 min
- Singapore Airport                      10 min
- Digital Loyang 1 (SIN 11)               2 min
- Digital Jurong (Sin 10)                45 min





## ABOUT DIGITAL REALTY

Digital Realty supports the data centre colocation and interconnection strategies of more than 2,300 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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