

Japan / Site / Published revision 1

Osaka OSK12 Data Center

36 MW · IT load

Ultimate two-building campus

Also known as: NTT Osaka OSK12 Data Center · Osaka North 1 Data Center · 大阪北データセンター

Development status: under construction, planned

Two-building NTT campus in Nishiai, Ibaraki, in Japan's Kansai region. The first 18 MW IT phase broke ground in October 2025 and is advertised for delivery in 2028; ultimate campus IT capacity is 36 MW. The second building was announced for completion in 2032. Campus represented once; capacities overlap and must not be added.

Last researched: 2026-10-09 | Last verified: Not independently verified

Tracked dataset only. Unknown values are not zero. Evidence dates and measurement definitions must be considered when comparing sites.

Site photographs

No approved property photo available.

Site profile

Field	Published information
Operator	NTT DATA Global Data Centers [1] [4]
Owner	Unknown
Business model	colocation [4]
Scale	hyperscale [5]
Country	Japan [3] [4]
State / region	Osaka Prefecture [1] [2]
Metro area	Osaka [1] [5]
City / locality	Ibaraki [1] [2]
Address	Unknown
Coordinates	Unknown · unknown precision. Operator establishes Nishiai, Ibaraki, Osaka Prefecture; no corroborated property point or full street address.
Parent	Not assigned

Capacity evidence

Do not add these claims together. IT load, facility power, grid connection and unspecified power are different measurements. Cumulative and incremental scopes remain separate.

Measurement	Development scope	Evidence / accounting
18 MW IT load	First building / first phase under construction · incremental	[1] reported · 2026-10-09 Excluded from totals. Undated operator page retrieved on as_of date; advertised capacity for 2028 delivery, not operating capacity. Included in campus total.
36 MW IT load	Ultimate two-building campus planned · cumulative	[2] reported · 2025-05-27 Excluded from totals. Announcement date; explicitly describes total IT capacity at completion. Includes first and second buildings, not additional capacity beyond them.
18 MW Unspecified power	Second building planned · incremental	[2] reported · 2025-05-27 Excluded from totals. Announcement date; future second building adds 18 MW in 2032. Paragraph says power without independently specifying its basis; surrounding announcement describes total campus IT load.

Development timeline

2025-05-13 · announcement · Nishiai land acquisition disclosed

Eight acres acquired for two data centers totaling 36 MW; first facility targeted for FY2027. [3]

2025-05-27 · announcement · Osaka North development announced

NTT DATA Group and NTT GDC announce two-building campus. [2]

2025-10-01 · actual_groundbreaking · First building groundbreaking

Operator post reports October 1; dated DCD report establishes 2025 year. [6]

FY2027 second half · planned_service_start · Original first-phase service target

Fiscal-year precision preserved from Japanese announcement. [2]

2028 · planned_delivery · Current advertised first-phase delivery

Undated operator page advertises 2028; operator groundbreaking post specifies early 2028. These are compatible with the original fiscal-year window but actual completion is unconfirmed. [1]

2032 · planned_completion · Second building completion

Schedule in May 2025 announcement; later confirmation not located. [2]

Disclosed specifications

Land: Eight acres

Acquisition disclosure; no precise parcel boundary established. [3]

First-building server space: Approximately 5,000 m²

Planned first-phase server rooms, not campus gross floor area. [2]

Building design: Three stories; seismic isolation

First phase design. [2]

Cooling: N+1 wall-blown air conditioning; air-cooled modular chiller; DLC available

Webpage description. Brochure instead lists a water-cooling system; reconcile before selecting a definitive mechanical specification. [1]

Utility and backup: 2N 77 kV utility supply; N+1 diesel generator or gas turbine with 48-hour autonomy; generator and UPS 4N/3

Brochure design claims; generator technology presented as alternatives. Voltage does not establish grid MW. [4]

Connectivity: Carrier-neutral; four building cable entry points; two meet-me rooms

Brochure specifications; IOWN APN implementation is planned in announcement. [4]

Resilience standards: Uptime Tier III and J-Tier 3 equivalent design

Design equivalence; no awarded Uptime certification established. [2]

Prospective certifications: ISO 27001, PCI DSS, SOC 1 Type 2, SOC 2 Type 2

Brochure explicitly says considering obtaining; not established certifications. [4]

Sustainability: Preparing for net-zero operation

Project intent within NTT DATA's corporate targets; no site-specific renewable contract, PUE or achieved net-zero status disclosed. [2]

Public business contact: gdc-pmkj@ntt.com

Product/service marketing contact published in development announcement; no contact made. [2]

Research gaps

- Full street address and corroborated coordinates
- Legal title owner and precise relationship of project company NSA-1 to campus ownership
- Current physical construction progress
- Second-building schedule after the 2025 announcement
- Facility and grid-connection MW
- Rack count, rack density and PUE
- Public tenants and executed renewable-energy arrangements
- Completed-property photographs and image reuse permission

Sources and field evidence

Attribution does not establish independent verification or permission to reuse images. URLs refer to public evidence.

[1] Global Data Centers: Osaka OSK12 Data Center | NTT DATA

<https://services.global.ntt/en-us/services-and-products/global-data-centers/global-locations/asia-pacific/osaka-osk12-data-center>

Published: Unknown · Retrieved: 2026-10-09

Operator identifies Nishiai, Ibaraki, Osaka Prefecture; 2028 delivery, 18 MW first phase and planned 36 MW two-building campus. Lists carrier-neutral connectivity, cooling and security.

[2] 大阪府での新たなデータセンターの建設について

<https://www.nttdata.com/global/ja/news/topics/2025/052700/>

Published: 2025-05-27 · Retrieved: 2026-10-09

NTT DATA Group and NTT GDC announce Osaka North: 36 MW total IT capacity; first three-story seismic-isolated building with 18 MW and approximately 5,000 m² server rooms. First service scheduled for FY2027 second half; second building in 2032. Describes developer and sustainability plans.

[3] NTT DATA Expands Global Data Center Footprint with Land Acquisitions Across Seven Strategic Markets

<https://services.global.ntt/en-in/newsroom/ntt-data-expands-global-data-center-footprint-with-land-acquisitions-across-seven-strategic-markets>

Published: 2025-05-13 · Retrieved: 2026-10-09

NTT DATA reports acquiring eight acres in Osaka Nishiai for two data centers totaling 36 MW, with first opening planned for FY2027.

[4] Osaka OSK12 Data Center — Global Data Centers site brochure

https://services.global.ntt/-/media/ntt/global/insights-and-resources/brochures-2/brochure_japan_oska-north_1_en.pdf?rev=6f6b537611464884b078dabd5cbfa596

Published: Unknown · Retrieved: 2026-10-09

Brochure identifies Japan/Kansai, NTT Global Data Centers and cages/suites. Lists IT space, utility voltage, backup, connectivity and prospective certifications. Cooling description differs from facility webpage.

[5] NTT Global Data Centers — Breaking Ground in Osaka

<https://www.linkedin.com/posts/groundbreaking-hyperscalers-digitalinfrastructure-ugcPost-7381326670009597952-yn3k/>

Published: Unknown · Retrieved: 2026-10-09

Public operator post reports October 1 groundbreaking, a 36 MW Ibaraki campus, first of two buildings at 18 MW, early-2028 completion and design for hyperscalers. Exact post publication date not displayed.

[6] NTT breaks ground on Osaka data center, Japan

<https://www.datacenterdynamics.com/en/news/ntt-breaks-ground-on-osaka-data-center-japan/>

Published: 2025-10-09 · Retrieved: 2026-10-09

Dated industry report corroborates October 1, 2025 groundbreaking and early-2028 first-building delivery; explicitly labels accompanying property image an NTT GDC rendering.

[7] Osaka Prefecture FY2025 building environmental filings, entries 51-75

https://www.pref.osaka.lg.jp/o130170/kenshi_shinsa/casbee_index_html/kohyo_r7_3.html

Published: Unknown · Retrieved: 2026-10-09

R7-0057 lists Nishiai Building as an Ibaraki data center, with NTT Global Data Center NSA-1 GK and NTT Facilities named in applicant/designer columns. Does not explicitly identify OSK12.

[8] Nishiai Building CASBEE assessment R7-0057

<https://www.pref.osaka.lg.jp/documents/118339/r7-0057.pdf>

Published: Unknown · Retrieved: 2026-10-09

Design assessment dated September 24, 2025 lists Nishiai, three floors, site 33,009 m², building footprint 9,365 m², gross floor area 20,415 m², planned December 2027 completion and B- rating. Direct OSK12 identity linkage remains unconfirmed.

Name: [1]

Aliases: [1] [2] [5]

Kind: [1] [2]

Country: [3] [4]

Region: [1] [2]

City: [1] [2]

Metro: [1] [5]

Operator: [1] [4]

Business Model: [4]

Scale: [5]

Statuses: [5] [6] [2]

Summary: [1] [2] [5] [6]

Location: [1] [3]

Stable identifier: 9a3a33df-2f44-4e31-a7c0-36939f58a4e2