

Japan / Site / Published revision 1

Princeton Digital Group TY1 Campus

Unknown MW · Total facility power not established

See capacity evidence for reported claims.

Also known as: PDG TY1 · TY1

Development status: operational, under construction

PDG's two-building hyperscale colocation campus in Saitama City, Greater Tokyo, has a reported ultimate IT capacity of 96 MW. Phase 1 launched on 24 April 2025; contemporary reporting described continuing Phase 1 fit-out and Phase 2 site preparation. DC2 assessment documentation describes a build in progress with estimated live services on 30 June 2028. The campus capacity should not be treated as fully commissioned operational power.

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



Photo: PDG-published TY1 campus property photo accompanying the April 2025 launch release; capture date not disclosed. [11]

Attribution: princetonodg.com. Published: Unknown; captured: Unknown; retrieved: 2026-10-09.

Rights: Published and attributed to Princeton Digital Group through its official release. Photographer and reuse license not disclosed; reviewer must resolve import rights. URL path is not evidence of capture date. Publication and capture dates were not independently established. Research-selected property image; reviewer must confirm site identity, suitability and rights before publication.

Site profile

Field	Published information
Operator	Princeton Digital Group [1] [9]
Owner	Unknown
Business model	colocation [3] [8]
Scale	hyperscale [7]
Country	Japan [1] [3]
State / region	Saitama Prefecture [3] [7]
Metro area	Greater Tokyo [1] [2]
City / locality	Saitama City [1] [3]
Address	2-1917 Nissincho, Kita-ku, Saitama City, Saitama Prefecture, Japan [3] [4] [10]
Coordinates	Unknown · unknown precision. Street address published in TY1 DC1 and DC2 OCP assessments; no corroborated property-marker coordinates established.
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
96 MW IT load	Ultimate two-building TY1 campus capacity; includes operational Phase 1 and subsequent build-out planned · cumulative	[1] reported · 2025-04-24 Excluded from totals. As-of is announcement date. Release presents campus IT capacity at launch; Phase 1 reporting and DC2 assessment prevent interpreting all 96 MW as commissioned.
48 MW IT load	TY1 DC1 design critical IT capacity under construction · incremental	[3] reported · 2025-01-31 Excluded from totals. As-of is original self-assessment completion date, not document publication or commissioning date. Assessment forecasts live services on 24 April 2025; later reporting confirms launch but continuing fit-out.
48 MW IT load	TY1 DC2 design critical IT capacity under construction · incremental	[4] reported · 2025-01-31 Excluded from totals. As-of is original self-assessment completion date. Document describes build in progress and estimated live services on 30 June 2028. Included within campus capacity, not additive to 96 MW.

Measurement	Development scope	Evidence / accounting
≈100 MW IT load	Historical ultimate campus development planned · cumulative	[9] conflicting · 2022-06-13 Excluded from totals. As-of is groundbreaking release date. Body says close to 100 MW IT; later announcements specify 96 MW. Retained as historical competing scope, not additional capacity.

Development timeline

2022-06-13 · actual_groundbreaking · Campus construction commenced

Lendlease and PDG marked commencement of phased campus development. [9]

2024-03-27 · announcement_actual_completion · Phase 1 core and shell completed

Completion of the building shell was announced; this was not an operational commissioning announcement. [5]

2024-Q4 · planned_service · Historical Phase 1 service target

March 2024 release forecast readiness for service in Q4 2024; subsequent launch announcement is dated April 2025. [5]

2025-04-24 · actual_launch · Phase 1 launched

Operator announced campus launch; Japanese reporting identifies the operating portion as Phase 1. [6]

2025-08-06 · announcement_certification · OCP Ready v2 certification announced

PDG announced TY1 certification and NVIDIA DGX-Ready liquid-cooling partner certification. [8]

2026-12 · planned_fitout_completion · Phase 1 full-floor fit-out target

April 2025 reporting said all Phase 1 floors were expected to finish fit-out by the end of December 2026. [6]

2028-06-30 · planned_service · DC2 estimated live services

Date appears in DC2 self-assessment; current schedule confirmation remains unavailable. [4]

Disclosed specifications

Developer and lease structure: Lendlease / Lendlease Data Centre Partners developed core and shell for long-term lease to PDG

Historical disclosed arrangement; current legal title and ownership vehicle remain unconfirmed. PDG invests in and operates mechanical and electrical infrastructure. [9]

Campus land area: Approximately 33,000 square metres

Campus-wide developer disclosure; directory figures differ slightly. [5]

Ultimate gross floor area: More than 60,000 square metres

Planned full development in 2022, not verified completed area. [9]

Phase 1 building: Six storeys

Core and shell description in March 2024. [5]

DC1 white space: 12,096 square metres

Design self-assessment; not evidence all area is fitted out or occupied. [3]

DC2 white space: 10,744 square metres

Assessment also gives a hall multiplication that does not exactly match the stated total; retain stated value pending reconciliation. [4]

Rack density: 140 kW per rack

Operator launch capability claim; not average installed rack density or a disclosed rack count. [1]

Cooling: Liquid cooling support and air-cooled chillers supplying chilled water

Launch release describes liquid cooling; factsheet specifies N+1 chillers, dual chilled-water loops and thermal energy storage exceeding four minutes. [7]

Power infrastructure: Diverse 66 kV utility feeds; distributed redundant UPS; 48-hour full-load onsite backup provision

Factsheet design description; voltage and backup duration are not MW grid capacity claims. [7]

Utility: TEPCO active/standby 66 kV supply

DC1 self-assessment disclosure. [3]

PUE: Below 1.34

Operator marketing/design claim; no measured annual operating PUE established. [7]

Connectivity: Carrier-neutral access to central/eastern Tokyo, Inzai and submarine cable landing stations

Operator disclosure; DC1 assessment additionally describes four carriers ready to bring fibre and four onsite entry points. [1]

Certification: OCP Ready v2 for Hyperscale; NVIDIA DGX-Ready liquid-cooling partner certification

Announced August 2025. Does not establish full-campus operational commissioning. [8]

LEED: LEED v4 BD+C Core & Shell targeted

March 2024 developer release describes a target, not an awarded certification. [5]

Construction sustainability: Construction Scope 1 and 2 emissions mitigated with verified carbon credits and renewable energy certificates; stored rainwater reused

Developer claim applies to construction and landscaping, not proof of zero-carbon operation. [5]

Construction partners: Kajima Corporation contractor; Nikken Sekkei designer

Disclosed at 2022 groundbreaking. [9]

Research gaps

- Current legal property owner and ownership vehicle
- Verified coordinates and property boundary

- Current commissioned IT capacity and occupied capacity
- Latest construction and fit-out progress for each building
- Whether DC2 estimated June 2028 service date remains current
- Reconciliation of historical approximately 100 MW, directory 98 MW and current 96 MW claims
- Named public tenants and contracted capacities
- Actual measured PUE and renewable electricity sourcing
- Completed LEED certification and site-specific certificate validity

Sources and field evidence

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

[1] Princeton Digital Group Launches One of Japan's Largest AI-Ready Data Centers with USD 1 Billion TY1 Campus in Greater Tokyo

<https://princeton-dg.com/press-releases/princeton-digital-group-launches-one-of-japans-largest-ai-ready-data-centers-with-usd-1-billion-ty1-campus-in-greater-tokyo/>

Published: 2025-04-24 · Retrieved: 2026-10-09

PDG announces launch in Saitama City, Japan, with 96 MW IT capacity, 140 kW rack density, liquid cooling and carrier-neutral connectivity.

[2] Where We Operate — Japan TY1

<https://princeton-dg.com/where-we-operate/>

Published: Unknown · Retrieved: 2026-10-09

Operator describes TY1 as a two-building campus in Saitama City, Greater Tokyo, with 96 MW capacity; location link is N/A.

[3] OCP Ready v2 for Hyperscale Data Center Site Assessment — PDG TY1-DC1

<https://www.opencompute.org/documents/ocp-ready-v2-for-hyperscale-data-center-site-assessment-v1-0-rev1-13-ty1-dc1-pdg-japan-pdf>

Published: Unknown · Retrieved: 2026-10-09

Self-assessment dated 31 January 2025 gives 2-1917 Nissincho address, 48 MW critical IT power, multi-tenant development, white space and utility/cooling details.

[4] OCP Ready v2 for Hyperscale Data Center Site Assessment — PDG TY1-DC2

<https://www.opencompute.org/documents/ocp-ready-v2-for-hyperscale-data-center-site-assessment-v1-0-rev1-13-ty1-dc2-pdg-japan-pdf>

Published: Unknown · Retrieved: 2026-10-09

Self-assessment dated 31 January 2025 identifies TY1-DC2 at the same address, 48 MW critical IT power, build in progress and estimated live services 30 June 2028; internal location-name cell says PDG TY2.

[5] Lendlease and PDG complete core and shell construction of one of Japan's largest data centre campuses

https://www.lendlease.com/siteassets/lendlease/shared/media-centre/media-releases/2024/03/nr-lendlease-and-pdg-complete-shell-and-core-construction-of-one-of-japans-largest-data-centres_wo-appendix_26mar2024.pdf

Published: 2024-03-27 · Retrieved: 2026-10-09

Phase 1 core and shell completed; six-storey 48 MW facility on approximately 33,000 square metres of campus land. Built to suit for PDG under Lendlease Data Centre Partners; Q4 2024 service was a forecast.

[6] プリンストン・デジタル・グループ、国内初設置のデータセンター「TY1キャンパス」1期棟を稼働開始

<https://cloud.watch.impress.co.jp/docs/news/2010122.html>

Published: 2025-04-28 · Retrieved: 2026-10-09

Reports Phase 1 launch on 24 April, two 48 MW phases, Phase 1 floor fit-out planned through December 2026 and adjacent Phase 2 land preparation at the time of reporting.

[7] TY1 Tokyo Factsheet

<https://prinetondg.com/wp-content/uploads/2024/07/PDG-TY1-Factsheet-v1.0-1.pdf>

Published: Unknown · Retrieved: 2026-10-09

Operator identifies a 96 MW hyperscale campus in Saitama Prefecture, Japan, with carrier-neutral connectivity, PUE below 1.34, redundant chilled-water infrastructure and diverse 66 kV power feeds; publication date not established.

[8] Princeton Digital Group Becomes First Operator in Asia Pacific to Earn OCP Ready v2 for Hyperscale certification

<https://prinetondg.com/press-releases/princeton-digital-group-becomes-first-operator-in-asia-pacific-to-earn-ocp-ready-v2-for-hyperscale-certification/>

Published: 2025-08-06 · Retrieved: 2026-10-09

PDG announces TY1 OCP Ready v2 certification and NVIDIA DGX-Ready liquid-cooling partner certification.

[9] Lendlease commences construction on 100 MW data centre campus in Japan for Princeton Digital Group

<https://www.lendlease.com/contentassets/e1b7e9a3b7804c9cad7b27641fa7254e/documents/aquila-groundbreaking-ceremony.pdf>

Published: 2022-06-13 · Retrieved: 2026-10-09

Groundbreaking release describes long-term lease to PDG, Lendlease core/shell development, PDG mechanical/electrical investment and operation, more than 60,000 square metres ultimate gross floor area and close to 100 MW IT capacity.

[10] Princeton Digital TY1 Campus

<https://www.datacentermap.com/japan/tokyo/ty1/>

Published: Unknown · Retrieved: 2026-10-09

Directory corroborates 2-1917 Nissincho and two constituent buildings, but its descriptive text says 98 MW while its listing title says 96 MW; undated conflicting claim.

[11] Property photo · prinetondg.com

<https://prinetondg.com/press-releases/princeton-digital-group-launches-one-of-japans-largest-ai-ready-data-centers-with-usd-1-billion-ty1-campus-in-greater-tokyo/>

Published: Unknown · Retrieved: 2026-10-09

PDG-published TY1 campus property photo accompanying the April 2025 launch release; capture date not disclosed. Original image: <https://prinetondg.com/wp-content/uploads/2025/04/TY1-offcial-photo-2.1-scaled.jpg>

- Name: [1] [2]
- Aliases: [2] [3]
- Kind: [2]
- Country: [1] [3]
- Region: [3] [7]
- City: [1] [3]
- Metro: [1] [2]
- Address: [3] [4] [10]
- Operator: [1] [9]
- Business Model: [3] [8]

Scale: [7]
Statuses: [6] [4]
Summary: [1] [2] [4] [6]
Location: [3] [4]
Media: [11]
Stable identifier: 896f4f6e-276e-4988-8137-d0ce5bb219d3