

Japan / Site / Published revision 1

ESR-STACK KIX01 Keihanna Campus

Unknown MW · Total facility power not established

See capacity evidence for reported claims.

Also known as: KIX01 Campus · ESR-STACK けいはんな

Development status: under construction, planned

Three-building campus in Keihanna, Seika, Kyoto Prefecture, within Japan's Kansai region and marketed in STACK's Osaka market. First building KIX01A is under construction with 18 MW IT capacity and planned readiness in Q2 2027. ESR reports an ultimate 72 MW IT campus; STACK's Japanese materials advertise 80 MW. Future expansion remains planned, and no operational capacity was established.

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	ESR and STACK Infrastructure (joint construction and operation announced for KIX01A) [1]
Owner	Unknown
Business model	colocation [1] [2]
Scale	hyperscale [1] [2]
Country	Japan [1]
State / region	Kyoto Prefecture [6]
Metro area	Osaka [2] [4]
City / locality	Seika [6] [7]
Address	Unknown
Coordinates	Unknown · unknown precision. Municipality established by industry reporting; no corroborated property point proposed.
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
72 MW IT load	Ultimate multi-phase Keihanna campus planned · cumulative	[1] conflicting · 2025-04-28 Excluded from totals. As-of is announcement date. IT basis explicitly identified in footnote; includes first building, not additional to it. Conflicts with Japanese STACK 80 MW materials.
18 MW IT load	KIX01A first building under construction · incremental	[1] reported · 2025-04-28 Excluded from totals. As-of is announcement date. Building is a component of campus total; planned service Q2 2027, not established operational load.
54 MW Unspecified power	KIX01 future expansion planned · incremental	[2] reported · 2026-10-09 Excluded from totals. As-of is retrieval date of undated facility page. Presented beside 18 MW KIX01A within 72 MW campus; page does not explicitly label this figure's electrical basis.
80 MW IT load	Total KIX01 campus planned · cumulative	[3] conflicting · 2026-10-09 Excluded from totals. As-of is retrieval date of undated Japanese operator page, not announcement date. Explicit campus IT total; conflicts with 72 MW English operator and ESR announcement figures. No explanation of revision found.

Development timeline

2025-03-01 · actual_construction_start · KIX01A construction began

Date reported by Cloud Watch; ESR subsequently confirmed construction had commenced. [5]

2025-04-28 · announcement · ESR-STACK first-phase partnership announced

Joint construction and operation of KIX01A announced within a multi-phase Keihanna campus. [1]

2027-Q2 · planned_ready_for_service · KIX01A planned service commencement

Expected service date, reiterated in August 2026 reporting; completion has not been established. [1]

Disclosed specifications

Campus land area: 5.3 hectares / approximately 13 acres

Operator campus figure; independently surveyed boundary not established. [2]

Campus buildings: 3 planned buildings

KIX01A named by operator; other buildings grouped as future expansion. [2]

KIX01A sustainability certification: LEED Gold pre-certified

Developer announcement describes pre-certification, not final completed-building certification. [1]

Cooling design — English brochure: N+1 or N+2 water-cooled chillers

Design claim in undated brochure; Japanese operator page instead specifies air-cooled chillers. Final design unresolved. [4]

Cooling design — Japanese operator page: N+1 or N+2 air-cooled chillers and wall-blowing air-conditioning units

Advertised design; conflicts with English brochure's water-cooled chillers. [3]

Utility voltage — English brochure: KEPCO 154 kV

Design claim; Japanese page lists dual 77 kV lines. Neither establishes connection MW or energization. [4]

Utility voltage — Japanese operator page: Dual 77 kV extra-high-voltage lines

Design claim conflicting with English brochure's 154 kV. [3]

Electrical redundancy and fuel: N+1 block redundancy; minimum 48 hours fuel storage

Advertised design specification, not demonstrated operational resilience. [3]

Structure: Base-isolated steel structure

Operator design specification. [3]

Connectivity: Carrier neutral; two ground-floor meet-me rooms; proximity to NTT, KDDI, Colt, Arteria and SoftBank dark fiber

Brochure marketing claims; installed connections and service availability not independently verified. [4]

Floor loading: 23 kN/m²; racks up to 5,000 lb

Brochure design claim; rack count and actual rack power not disclosed. [4]

Efficiency target: Annualized PUE below 1.3

Target in brochure, not measured operational performance. [4]

Public sales contact: sales@stackinfra.com

General STACK sales address published in facility brochure; no dedicated campus contact established. [4]

Research gaps

- Exact street address, parcel boundaries and corroborated coordinates
- Legal property owner and campus-wide operating entity
- Relationship between ESR OS4/OS5 and STACK KIX01 building identifiers
- Reconciliation of 72 MW and 80 MW campus IT claims
- Current construction progress beyond August 2026 reporting
- Future building start and service dates
- Actual facility power and grid connection capacity

- Final cooling and utility-voltage design
- Operational certifications, tenants, rack count and measured efficiency

Sources and field evidence

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

[1] ESR and STACK Break Ground on First Phase of 72 MW Data Centre Campus in Kansai, Japan

<https://www.esr.com/news/esr-and-stack-break-ground-on-first-phase-of-72-mw-data-centre-campus-in-kansai-japan/>

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

Announces joint construction and operation of KIX01A, 18 MW IT, within a 72 MW IT Keihanna campus; Q2 2027 readiness and LEED Gold pre-certification.

[2] KIX01 — STACK Infrastructure

<https://www.stackinfra.com/locations/asia-pacific/osaka/kix01/>

Published: Unknown · Retrieved: 2026-10-09

Lists a three-building 72 MW campus on 5.3 hectares, KIX01A at 18 MW and future expansion at 54 MW; offers colocation and build-to-suit.

[3] Keihanna / KIX01 — STACK Infrastructure Japan

<https://www.stackinfra.com/japan/locations/keihanna-kix01/>

Published: Unknown · Retrieved: 2026-10-09

Advertises 80 MW campus IT capacity, 5.3 hectares, dual 77 kV lines, N+1 electrical redundancy and air-cooled chillers.

[4] Osaka, Japan KIX01/CAMPUS brochure

https://www.stackinfra.com/wp-content/uploads/2022/02/KIX01_Osaka_Campus_Brochure031623.pdf

Published: Unknown · Retrieved: 2026-10-09

Undated accessible brochure reports 72 MW, three buildings, KEPCO 154 kV, water-cooled chillers, carrier-neutral connectivity and annualized PUE target below 1.3.

[5] ESRとSTACKがけいはんな地区でデータセンター共同展開。「KIX01A」は2027年第2四半期運用開始へ

<https://cloud.watch.impress.co.jp/docs/wdc/2023056.html>

Published: 2025-06-17 · Retrieved: 2026-10-09

Reports actual KIX01A construction start on March 1, 2025 and planned Q2 2027 service; identifies 72 MW as IT power.

[6] 関西の新興DC集積地、京都府精華町

<https://sangyo-times.jp/article.aspx?ID=15188>

Published: 2026-08-28 · Retrieved: 2026-10-09

On-location industry reporting identifies ESR-STACK construction in Seika, Kyoto, on former Panasonic research land west of Colt's separate facility; reiterates 18 MW first building and 72 MW eventual IT capacity.

[7] STACK Infrastructure KIX01 Campus — Data Center Map

<https://www.datacentermap.com/japan/osaka/stack-infrastructure-kix01/>

Published: Unknown · Retrieved: 2026-10-09

Directory lists 3 Chome Hikaridai, 619-0237 Seika and campus sublistings; its Q2 2025 service target is inconsistent with later developer announcements.

- Name: [1] [2]
- Aliases: [1] [2] [5]
- Kind: [2]
- Country: [1]
- Region: [6]
- City: [6] [7]
- Metro: [2] [4]
- Operator: [1]
- Business Model: [1] [2]
- Scale: [1] [2]
- Statuses: [1] [2] [6]
- Summary: [1] [2] [3] [6]
- Location: [6]
- Stable identifier: 19b07d1e-084d-4a1e-a0ba-c1e07eff3f3e