

South Korea / Facility / Published revision 1

# kt cloud Gasan AI Data Center

## 40 MW • Grid connection

Gasas AI Data Center total incoming electrical capacity

Also known as: kt AI 데이터센터 • kt AI DC • kt IDC • kt 클라우드 데이터센터

Development status: operational

Operational commercial AI data center in Gasan-dong, Geumcheon-gu, Seoul. Opened in November 2025 with reported 26 MW IT capacity and 40 MW incoming electrical capacity. Pacific Asset Management commissioned the project and DL Construction built it; legal ownership is unresolved.

Last researched: 2026-10-07 | 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: Completed Gasan AI Data Center front exterior; DL Construction identifies this as a photograph. Source published November 18, 2025; capture date unknown. Image retrieval timed out. [11]

Attribution: [www.dlconstruction.co.kr](http://www.dlconstruction.co.kr). Published: Unknown; captured: Unknown; retrieved: 2026-10-07.

Rights: Attributed to DL Construction; no reusable license established. Permission and visual suitability require review before import. 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        | kt cloud [2] [3] [7]                                                                                                                                                                                                                                          |
| Owner           | Unknown                                                                                                                                                                                                                                                       |
| Business model  | colocation [2] [7]                                                                                                                                                                                                                                            |
| Scale           | hyperscale [1] [9]                                                                                                                                                                                                                                            |
| Country         | South Korea [5]                                                                                                                                                                                                                                               |
| State / region  | Seoul Special City [1] [5]                                                                                                                                                                                                                                    |
| Metro area      | Seoul Capital Area [1] [2]                                                                                                                                                                                                                                    |
| City / locality | Seoul [1] [3] [5]                                                                                                                                                                                                                                             |
| Address         | 23 Gasan digital 2-ro, Geumcheon-gu, Seoul 08593, South Korea (Gasan-dong 345-48) [1] [4] [5] [9]                                                                                                                                                             |
| Coordinates     | 37.470548, 126.883049 · approximate precision. Third-party address geocode for 23 Gasan digital 2-ro; street address corroborated by kt cloud and parcel 345-48 by DL Construction. Rounded coordinates; marker/building position not independently verified. |
| 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                                                                                                                                                                                                                                         |
|--------------------------|------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 26 MW<br>IT load         | Gasan IDC total planned IT capacity<br>planned · cumulative                              | [1] reported · 2022-07-07<br>Excluded from totals. Announcement date; planned capacity rather than actual equipment consumption. Repeated at opening and not an additional increment.                                                                         |
| 26 MW<br>IT load         | Gasan AI Data Center advertised total IT capacity at opening<br>operational · cumulative | [2] reported · 2025-11-06<br>Excluded from totals. Opening announcement date; capacity rating, not measured utilization. Contractor and later KT investor material repeat 26 MW.                                                                              |
| 40 MW<br>Grid connection | Gasan AI Data Center total incoming electrical capacity<br>operational · cumulative      | [2] reported · 2025-11-06<br>Excluded from totals. Opening announcement date. Source term is total receiving capacity (受電容量); no utility connection agreement inspected. Includes a different power boundary from IT capacity and must not be added to 26 MW. |

## Development timeline

### **2022-06 · actual\_construction\_start · Construction began**

Start month reported retrospectively by the contractor. [3]

### **2022-07-07 · announcement · Gasan IDC construction announced**

kt cloud announced a 26 MW IT hyperscale project with completion planned for 2025. [1]

### **2025 · planned\_completion · Original completion target**

Original operator announcement targeted completion in 2025. [1]

### **2025-05 · actual\_completion · Building completion reported**

Contractor reports May completion followed by containment works; its portfolio separately lists a construction interval ending June 30. [3]

### **2025-11-05 · actual\_opening\_ceremony · Gasan AI Data Center opening ceremony**

Contractor identifies November 5 ceremony; operator announced opening on November 6 and KT investor material records November 2025. [3]

## Disclosed specifications

### **Project commissioning and construction: Pacific Asset Management commissioned; DL Construction built; kt cloud operates**

These roles do not establish registered property ownership. [3]

### **Gross floor area: 36,501 m<sup>2</sup>**

Contractor figure; operator separately reports approximately 11,046 pyeong, a small reporting difference. [3]

### **Building configuration: 10 above-ground floors and 5 basement levels**

Reported completed facility configuration. [3]

### **Land area: 4,442 m<sup>2</sup>**

Secondary property-record service; original land register not inspected. [10]

### **Building footprint: 2,487.25 m<sup>2</sup>**

Secondary property-record service; original building register not inspected. [10]

### **Cooling: Direct-to-chip liquid cooling**

Operator reports commercial deployment; coverage describes cold plates and circulating chilled water. No measured efficiency disclosed. [2]

### **Connectivity: 100G-class One DC network linking eight metropolitan data centers**

Operator announcement; route diversity and carrier list not independently established. [2]

### **Power and communications resilience: Redundant incoming power and telecommunications**

Operator-reported design; no certification implied. [2]

**Emergency generation and batteries: 16 × 3,000 kVA emergency generators, N+1; LFP batteries**

Industry coverage; kVA is not converted into MW. [8]

**Management systems: Path Finder power monitoring/protection and DIMS predictive management**

Reported installed systems. [8]

**On-site solar: 163.38 kW solar panels**

Contractor reports panels installed on rear facade; annual generation and renewable share unavailable. [3]

**AI infrastructure offering: Colo.AI and AI colocation**

Commercial service offering; named facility tenants not established. [7]

**Public business contact: gsdcloud@kt.com; +82-2-851-8697**

Official Gasan service contact retrieved October 7, 2026; no contact made. [7]

## Research gaps

- Registered property owner and investment vehicle
- Google Maps listing, place ID and property marker
- Surveyed coordinates
- Current occupied IT load and energized capacity
- Rack count and rack power density
- Facility-specific PUE, WUE and certifications
- Named tenants and renewable electricity procurement

## Sources and field evidence

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

### [1] kt cloud announces Gasan IDC construction

<https://www.ktcloud.com/media/press/20220906121626398>

Published: 2022-07-07 · Retrieved: 2026-10-07

Indexed operator release identifies Gasan IDC in Seoul, address 23 Gasan digital 2-ro, planned 26 MW IT capacity and hyperscale positioning; describes partner-financed brand IDC operation. Direct page returned minimal text; dated contemporaneous reporting corroborates it.

### [2] kt cloud opens Gasan AI Data Center with commercial liquid cooling

<https://www.ktcloud.com/media/press/20251106090958820?lan=kor>

Published: 2025-11-06 · Retrieved: 2026-10-07

Indexed official release announces opening, 26 MW IT and 40 MW incoming electrical capacity, approximately 11,046 pyeong, D2C cooling, redundant incoming power/communications and 100G One DC connectivity. Direct page returned minimal text.

### [3] DL Construction demonstrates digital infrastructure construction capability

[https://www.dlconstruction.co.kr/mobile/zInformation/sh\\_news\\_view.asp?SE\\_IDX=1480](https://www.dlconstruction.co.kr/mobile/zInformation/sh_news_view.asp?SE_IDX=1480)

Published: 2025-11-18 · Retrieved: 2026-10-07

Contractor states Pacific Asset Management commissioned the kt cloud-operated project; construction began June 2022, completed May 2025, and opening ceremony occurred November 5 after containment works. Reports 36,501 square metres and 163.38 kW solar panels; labels exterior images as photographs.

### [4] DL Construction portfolio: Gasan Iwill Data Center

[https://www.dlconstruction.co.kr/zBusiness/biz\\_view.asp?yACode1=UB03&yACode2=UB13&yACode3=UB92](https://www.dlconstruction.co.kr/zBusiness/biz_view.asp?yACode1=UB03&yACode2=UB13&yACode3=UB92)

Published: Unknown · Retrieved: 2026-10-07

Lists Gasan Iwill Data Center at Gasan-dong 345-48; portfolio construction interval June 30, 2022 to June 30, 2025.

### [5] Address conversion: 23 Gasan digital 2-ro, Seoul

<https://jusoga.com/b/1154510100103450048015347/%EC%84%9C%EC%9A%B8%ED%8A%B9%EB%B3%84%EC%8B%9C-%EA%B8%88%EC%B2%9C%EA%B5%AC-%EA%B0%80%EC%82%B0%EB%94%94%EC%A7%80%ED%84%B8%EB%A1%9C-23-%EA%B0%80%EC%82%B0%EB%8F%99>

Published: Unknown · Retrieved: 2026-10-07

Third-party address page links street address to Gasan-dong 345-48, postcode 08593 and Republic of Korea; supplies latitude 37.470547995677 and longitude 126.88304901087.

### [6] KT 4Q25 NDR presentation

[https://m.corp.kt.com/attach/irdata/10868/4Q25\\_KT\\_NDR\\_PT\\_KOR\\_FFIN\\_%EC%97%85%EB%A1%9C%EB%93%9C%EC%9A%A9.pdf](https://m.corp.kt.com/attach/irdata/10868/4Q25_KT_NDR_PT_KOR_FFIN_%EC%97%85%EB%A1%9C%EB%93%9C%EC%9A%A9.pdf)

Published: Unknown · Retrieved: 2026-10-07

Slide 14 records Gasan AIDC opening in November 2025 with 26 MW and liquid cooling. Publication date not established from document metadata.

### [7] kt cloud data-center services

<https://www.kt-idc.com/viewindexPage>

Published: Unknown · Retrieved: 2026-10-07

Current official service homepage lists Gasan AI DC, AI server plus colocation infrastructure and 100G One DC network; publishes Gasan business contact gsdcloud@ktcloud.com and 02-851-8697.

[8] KT Cloud activates liquid-cooled Gasan AI Data Center

<https://zdnet.co.kr/view/?no=20251106081559>

Published: 2025-11-06 · Retrieved: 2026-10-07

Opening coverage identifies kt cloud-provided facility images and reports DIMS management, LFP batteries, 16 emergency generators rated 3,000 kVA in N+1 configuration and Colo.AI service.

[9] KT Cloud begins construction of 26 MW Gasan IDC

<https://www.edaily.co.kr/news/read?newsId=01905686632392224>

Published: 2022-07-07 · Retrieved: 2026-10-07

Dated contemporaneous coverage corroborates street address, hyperscale identity, 26 MW planned IT capacity and planned 2025 completion; identifies original project image as a rendering.

[10] Zippoom property record: Gasan-dong 345-48

<https://zippoom.com/%EB%B6%80%EB%8F%99%EC%82%B0/%EC%84%9C%EC%9A%B8-%EA%B8%88%EC%B2%9C%EA%B5%AC-%EA%B0%80%EC%82%B0%EB%8F%99-345-48/nwqld1>

Published: Unknown · Retrieved: 2026-10-07

Secondary property-record service identifies data-center use, 36,501.1 square metres gross floor area, 4,442 square metres land and 2,487.25 square metres building footprint; original government register not inspected.

[11] Property photo · www.dlconstruction.co.kr

[https://www.dlconstruction.co.kr/mobile/zInformation/sh\\_news\\_view.asp?SE\\_IDX=1480](https://www.dlconstruction.co.kr/mobile/zInformation/sh_news_view.asp?SE_IDX=1480)

Published: Unknown · Retrieved: 2026-10-07

Completed Gasan AI Data Center front exterior; DL Construction identifies this as a photograph. Source published November 18, 2025; capture date unknown. Image retrieval timed out. Original image: [https://www.dlconstruction.co.kr/xUpRoot/yMist/zService/News/CK\\_20251118165428063301740.jpg](https://www.dlconstruction.co.kr/xUpRoot/yMist/zService/News/CK_20251118165428063301740.jpg)

- Name: [2] [3]
- Aliases: [1] [2] [4]
- Kind: [3] [4]
- Country: [5]
- Region: [1] [5]
- City: [1] [3] [5]
- Metro: [1] [2]
- Address: [1] [4] [5] [9]
- Operator: [2] [3] [7]
- Business Model: [2] [7]
- Scale: [1] [9]
- Statuses: [2] [6] [7]
- Location: [1] [4] [5]
- Summary: [1] [2] [3] [6]

Media: [11]

Stable identifier: ce5cb63a-5fbc-4ea6-8a13-e82561e42a95