

South Korea / Facility / Published revision 1

Digital Realty Digital Seoul 1 (ICN10)

Unknown MW · Total facility power not established

See capacity evidence for reported claims.

Also known as: Digital Seoul 1 · ICN10 · Digital Realty Seoul 1

Development status: operational

Operational carrier-neutral colocation facility in Sangam Digital Media City, Mapo-gu, Seoul. Officially opened in January 2022; Digital Realty reiterated maximum IT capacity of 12 MW in March 2026. Digital Seoul 1 and ICN10 identify the same facility. ICN11 in Gimpo is a separate property. Reported maximum IT capacity supports >5 MW eligibility but does not establish actual utilization or available capacity.

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

No approved property photo available.

Site profile

Field	Published information
Operator	Digital Realty [2]
Owner	Unknown
Business model	colocation [1] [2]
Scale	unknown
Country	South Korea [2] [5]
State / region	Seoul Special City [5]
Metro area	Seoul [1] [3]
City / locality	Seoul [1] [5]
Address	12 World Cup buk-ro 60-gil, Mapo-gu, Seoul 03922, South Korea [1] [5] [6]
Coordinates	37.582162, 126.886128 · approximate precision. PeeringDB facility geocode associated with the operator-confirmed street address; property-marker position not independently corroborated. Not surveyed or block-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
12 MW IT load	ICN10 maximum IT capacity operational · cumulative	[2] reported · 2026-03-25 Excluded from totals. Announcement dateline; maximum capacity, not measured live load, occupancy or available capacity. Header date differs by one day. Reiterates the facility capacity rather than announcing an increment.
12 MW IT load	ICN10 critical IT capacity at opening operational · cumulative	[3] reported · 2022-01-25 Excluded from totals. Opening-announcement date. Overlaps the 2026 claim and must not be added to it.
12 MW IT load	ICN10 design IT load under construction · cumulative	[7] reported · 2020-06-16 Excluded from totals. Groundbreaking release dateline; design capacity at that historical stage, overlapping subsequent operational claims.

Development timeline

2020-06-16 · announcement_construction · Construction commencement announced

Digital Realty announced construction following a virtual groundbreaking. Its own newsroom repost is dated June 17, 2020. [7]

2021-Q4 · planned · Original customer-readiness target

Historical target stated in the 2020 release; not treated as proof of actual opening. [7]

2022-01-25 · actual_opening_announcement · Official opening announced

Digital Realty announced the opening of Digital Seoul 1 (ICN10). [3]

2024-02-01 · announcement · KakaoBank AI deployment reported

Industry coverage reported KakaoBank's AI lab at ICN10; deployment commencement date was not established. [9]

2026-03-25 · announcement · Samsung Electronics colocation disclosed

Operator disclosed support for Samsung Electronics enterprise IT operations; no additional facility capacity was announced. [2]

Disclosed specifications

Total building size: 15,200 m² (163,500 ft²)

Current English and Korean operator pages; conflicting Chinese-page value retained separately. [1]

Alternative total building size: 12,263 m² (132,000 ft²)

Chinese operator page labels this total building size; no reconciliation or expansion explanation established. [8]

Building structure: 10 stories

Current operator page; 2020 announcement described twelve levels, potentially using a different counting convention. [1]

Land parcel: 22,000 ft²

Historical development disclosure explicitly identifies land area. Opening release repeats this number with ambiguous facility wording. [7]

UPS and cooling redundancy: N+1 UPS; N+1 cooling

Facility-level labels on current operator page. [1]

Utility feeders: Two 22.9 kV feeders, dual power lines and different transformers

Brochure describes active/standby service; voltage and feeder count do not establish grid MW. [6]

Suite cooling: Ten dedicated CRAH units per suite, N+2

Brochure suite-level specification; distinct from current facility-level N+1 label. [6]

Standby generation: Eight generators in N+1 configuration

Brochure separates four IT-load and four building-power generators; fuel storage supports 12 hours at full load. Generator MW is undisclosed. [6]

Connectivity: Diverse fiber routes and POP rooms; AWS Direct Connect 1G, 10G and 100G

Brochure states MACSec support at 10G and 100G. [6]

High-density cooling: Up to 70 kW per rack; Air-Assisted Liquid Cooling

Reported in February 2024 industry coverage; not a guarantee for every rack or current available deployment. [9]

Compliance labels: SOC 2, SOC 3, ISO 9001, ISO 14001, ISO 27001, ISO 50001, PCI-DSS; GSEED

Displayed by operator; certificate scope, issuer, grade and expiry were not independently checked. [1]

NVIDIA program: DGX-Ready Data Center

Operator opening release reports participation; current program status unresolved. [3]

Public customers: Samsung Electronics

Enterprise IT colocation disclosed in March 2026; contracted capacity not disclosed. [2]

Public customers: KakaoBank

AI lab deployment reported in February 2024; contracted capacity not disclosed. [9]

Business contact: APAC@digitalrealty.com

Public leasing contact printed in the operator brochure; no contact made. [6]

Research gaps

- Current legal property owner and ownership structure
- Independently corroborated building-marker coordinates

- Actual occupied IT load and available capacity
- Facility input power and contracted grid capacity
- Reconciliation of building-area and floor-count claims
- Site-specific renewable-energy share, measured PUE and water usage
- Total rack count and current certification validity

Sources and field evidence

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

[1] ICN10 Data Center | 12 World Cup buk-ro 60-gil | Digital Realty

<https://www.digitalrealty.com/data-centers/asia-pacific/seoul/icn10>

Published: Unknown · Retrieved: 2026-10-07

Operator facility page gives the street address, colocation offering, ten stories, 15,200 m² total building size, N+1 UPS and cooling, and compliance labels.

[2] Digital Realty Delivers Colocation Infrastructure Support to Samsung Electronics in Seoul

<https://investor.digitalrealty.com/news-releases/news-release-details/digital-realty-delivers-colocation-infrastructure-support>

Published: 2026-03-25 · Retrieved: 2026-10-07

Release dateline is March 25, 2026; webpage header says March 24. Reports Samsung Electronics colocation, operation in Sangam-dong since 2022, and maximum IT capacity of 12 MW.

[3] Digital Realty Opens First Carrier-Neutral Data Center in South Korea

<https://www.prnewswire.com/news-releases/digital-realty-opens-first-carrier-neutral-data-center-in-south-korea-301468189.html>

Published: 2022-01-25 · Retrieved: 2026-10-07

Digital Realty-issued opening announcement identifies Digital Seoul 1 as ICN10, locates it in Sangam Digital Media City, and reports 12 MW critical IT capacity and NVIDIA DGX-Ready participation.

[4] Digital Realty ICN10 - Seoul - PeeringDB

<https://www.peeringdb.com/fac/9210>

Published: Unknown · Retrieved: 2026-10-07

Facility record matches the operator street address and lists geocode 37.582162, 126.886128. Record last-updated timestamp is September 26, 2025; this is not a survey date.

[5] ICN10 데이터 센터 | 12월드컵북로60길 | Digital Realty

<https://www.digitalrealty.com/ko/data-centers/asia-pacific/seoul/icn10>

Published: Unknown · Retrieved: 2026-10-07

Korean operator page explicitly places the facility in 데이터 센터 단지 at 12월드컵북로60길 12, postal code 03922.

[6] ICN 10 Seoul Data Center — Property Factsheet

https://go2.digitalrealty.com/rs/087-YZJ-646/images/DS_Digital_Realty_2402_ICN10_Property_Factsheet_EN.pdf

Published: Unknown · Retrieved: 2026-10-07

Operator-linked brochure describes electrical feeders, generators, CRAH redundancy, fiber routes, AWS Direct Connect and leasing contact. Copyright year 2024 is displayed; exact publication date is not established.

[7] Digital Realty Breaks Ground on First Facility in South Korea

<https://www.prnewswire.com/news-releases/digital-realty-breaks-ground-on-first-facility-in-south-korea-301078320.html>

Published: 2020-06-16 · Retrieved: 2026-10-07

Operator-issued release reports construction commencement, a 22,000 ft² land parcel, planned building over 162,000 ft² across twelve levels, 12 MW design IT load, and targeted Q4 2021 readiness.

[8] ICN10 数据中心 | 12 World Cup buk-ro 60-gil | Digital Realty

<https://www.digitalrealty.cn/data-centers/asia-pacific/seoul/icn10>

Published: Unknown · Retrieved: 2026-10-07

Chinese operator page identifies the same address but labels total building size as 12,263 m² (132,000 ft²), differing from current English and Korean pages.

[9] KakaoBank powers AI innovation at Digital Realty’s ICN10 Data Centre

<https://www.intelligentdatacentres.com/2024/02/01/kakaobank-powers-ai-innovation-at-digital-realtys-icn10-data-centre/>

Published: 2024-02-01 · Retrieved: 2026-10-07

Industry report describes KakaoBank's AI lab at ICN10, up to 70 kW per rack, Air-Assisted Liquid Cooling and AWS Direct Connect access.

[10] Digital Realty to Extend Global Reach of PlatformDIGITAL with Development of 64-Megawatt Facility in South Korea

https://s29.q4cdn.com/106493612/files/doc_news/2021/07/29/Digital-Realty-to-Extend-Global-Reach-of-PlatformDIGITAL-with-Development-of-64-Megawatt-Facility-in-South-Korea-2021.pdf

Published: 2021-07-29 · Retrieved: 2026-10-07

Operator announcement places Digital Seoul 2 (ICN11) in Gurae-dong, Gimpo, approximately 23 km from ICN10. Its 64 MW belongs to the separate project.

Name: [1] [3]

Aliases: [3] [7]

Kind: [1] [3]

Country: [2] [5]

Region: [5]

City: [1] [5]

Metro: [1] [3]

Address: [1] [5] [6]

Operator: [2]

Business Model: [1] [2]

Statuses: [2] [3]

Location: [4] [1]

Summary: [2] [3] [10]

Stable identifier: 028d5f67-c1a3-43d8-af8b-4a3a13f61af4