

Finland / Site / Published revision 1

Microsoft Kirkkonummi Kolabacken data center

≈144 MW · IT load

Combined three-building Kirkkonummi campus in assessed VE1 alternative

Also known as: Kirkkonummen datakeskus · Microsoft Kirkkonummi datacenter

Development status: under construction, planned

Microsoft cloud data-center campus in Kolabacken, Sundsberg, comprising HEL04 and planned HEL05/HEL06 buildings. Construction remained underway in September 2026. The 2024 EIA assessed approximately 144 MW combined IT capacity; this is a planned campus claim, not commissioned capacity. Fortum's neighboring heat-production plant is a separate asset.

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	Microsoft [1] [2]
Owner	Unknown
Business model	owner operated [2]
Scale	unknown
Country	Finland [2] [4] [7]
State / region	Uusimaa [8]
Metro area	Helsinki region [7] [8]
City / locality	Kirkkonummi [3] [6]
Address	Sundsbergin yritystie 19, 02450 Sundsberg, Kirkkonummi, Finland [3]
Coordinates	Unknown · unknown precision. Municipal permit establishes parcel 257-483-0002-0126 and street address; no independently corroborated geographic point obtained.
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
≈144 MW IT load	Combined three-building Kirkkonummi campus in assessed VE1 alternative planned · cumulative	[5] reported · 2026-10-07 Excluded from totals. As-of date is retrieval, not the original claim date. Claim belongs to the 2024 EIA; exact publication day was not established. Search-indexed report evidence only because PDF opening failed. Exceeds 5 MW for planned-project eligibility; no operational load established.

Development timeline

2025-04-22 · actual_permit · Second-phase building permit granted

Municipal board granted the HEL05/HEL06 permit with commencement rights. [3]

2025-06 · actual_contractor_change · Winthrop became main contractor

Microsoft reports Winthrop began work as principal contractor in June 2025. [1]

2026-04-28 · announcement · Second-phase investment confirmed

Microsoft confirmed investment and permits for second phases across the Finnish three-campus program. [2]

2026-09-24 · actual_construction_update · Two buildings undergoing construction

Contractor reports first-building installations and interior work, and second-building structural and envelope work; no opening announced. [4]

2026-2027 · planned_construction_completion · First-phase construction completion window

Microsoft estimated first-phase construction completion around the year boundary for the regional program, followed by commissioning preparation; this is not a confirmed opening date. [2]

2027 · planned_heat_recovery · Phased data-center waste heat integration

Fortum expects waste heat integration from the Kolabacken and Hepokorpi data centers to start in phases in 2027. [7]

Disclosed specifications

Permit parcel area: 516530 m²

Building-site area stated in second-phase permit; not building floor area or the broader planning zone. [3]

Campus buildings: HEL04, HEL05, HEL06

HEL04 is first phase; HEL05 and HEL06 are second phase. Retained as one campus. [9]

Second-phase built form: Two two-story data-center and office buildings

Permitted scope, not completed buildings. [3]

Power supply redundancy: Two electricity supply connections

Connection capacities not disclosed in the opened municipal discussion. [10]

HEL04 backup generators: 21 generators; approximately 160 MW combined fuel-input power

Fuel-input thermal rating, excluded from IT/facility/grid capacity claims; municipal discussion describes renewable fuel as primary and light fuel oil as backup. [10]

Heat recovery: Planned integration with Fortum district heating

Separate heat plant already produces heat independently; data-center waste heat integration expected from 2027. Regional percentages and heat-plant MW are not this campus's IT load. [7]

Roof features: Partial green roofs and office-roof solar panels

Second-phase permitted design; installed status unconfirmed. [3]

Public project contact: dcsuomi@microsoft.com

Microsoft publishes this address for project inquiries; no contact made. [1]

Research gaps

- Corroborated campus coordinates

- Current legal land and building ownership
- Commissioning dates and operational capacity
- Per-building IT loads and grid connection capacity
- HEL06 construction progress
- Cooling design, rack counts, density, carriers and certifications

Sources and field evidence

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

[1] Kirkkonummi datacenter project updates — Microsoft Local

<https://local.microsoft.com/blog/microsoft-aikoo-rakentaa-uuden-datakeskusalueen-etela-suomeen/>

Published: Unknown · Retrieved: 2026-10-07

April 2026 update describes first-building facade/interior work and second-building foundations. June event address is Sundsbergin yrittystie 19, 02450 Masala. Winthrop became main contractor in June 2025.

[2] Microsoft käynnistää pääkaupunkiseudun datakeskusalueen toisen vaiheen rakentamisen

<https://news.microsoft.com/source/emea/2026/04/microsoft-kaynnistaa-paakaupunkiseudun-datakeskusalueen-toisen-vaiheen-rakentamisen/?lang=fi>

Published: 2026-04-28 · Retrieved: 2026-10-07

Microsoft confirms second-phase investment and permits for three separate Finnish campuses. First-phase construction expected to finish around the 2026–2027 year boundary, with commissioning preparation afterward; regional cloud services are intended.

[3] Rakennuslupa LP-257-2024-02386 / Sundsbergin yrittystie 19 — second phase

<https://kirkkonummi.oncloudos.com/kokous/20252050-4.PDF>

Published: 2025-04-22 · Retrieved: 2026-10-07

Permit granted with commencement rights. Identifies Microsoft 3465 Finland Oy as applicant, parcel 257-483-0002-0126, 516530 m², and HEL05/HEL06 at Sundsbergin yrittystie 19, 02450 Sundsberg. HEL04 was covered by the first-phase permit.

[4] Kirkkonummi, Finland — Project Updates — Winthrop Technologies

<https://winthrop.ie/kirkkonummi-finland-project-updates/>

Published: 2026-09-24 · Retrieved: 2026-10-07

Explicit update date 24 September 2026. First building undergoing equipment installation, interior and external works; second building undergoing structural steel, facade, roofing and floor work. Backup-generator tests are upcoming.

[5] Kirkkonummi — Ympäristövaikutusten arviointi

https://www.ymparisto.fi/sites/default/files/documents/Arviointiselostus_Kirkkonummen_datakeskus_2024.pdf

Published: Unknown · Retrieved: 2026-10-07

Search-indexed original report passages identify the assessed three-building, approximately 50 ha project and approximately 144 MW IT capacity under VE1. Report is identified as 2024; exact publication day unavailable. Direct PDF opening failed, so evidence is limited to indexed passages.

[6] Kirkkonummen datakeskus — Sweco

<https://www.sweco.fi/projektit/kirkkonummen-datakeskus/>

Published: Unknown · Retrieved: 2026-10-07

Planning consultant identifies Kolabacken in Sundsberg and EKE-Rakennus Oy as historical landowner commissioning planning. Illustrative image is explicitly labeled a rendering.

[7] Fortum has started heat production at two large data centre sites in Finland

<https://www.fortum.com/media/2026/05/fortum-has-started-heat-production-two-large-data-centre-sites-finland>

Published: 2026-05-06 · Retrieved: 2026-10-07

Kolabacken and Hepokorpi heat plants have started using ambient-air heat pumps and electric boilers. Data-center waste heat integration is scheduled to start in phases in 2027. This does not establish data-center operation.

[8] Kirkkonummen asuinalueet — Municipality of Kirkkonummi

<https://kirkkonummi.fi/tietoa-kirkkonummesta/tietoa-kunnasta/kirkkonummen-asuinalueet/>

Published: Unknown · Retrieved: 2026-10-07

Municipality identifies its location in western Uusimaa adjoining the capital region and membership in Helsinki Region Transport.

[9] Microsoftin datakeskushankkeen toisen vaiheen rakentamislupa on vireillä

<https://kirkkonummi.fi/microsoftin-datakeskushankkeen-toisen-vaiheen-rakentamislupa-on-vireilla/>

Published: 2025-03-14 · Retrieved: 2026-10-07

Municipality distinguishes first-phase HEL04 from second-phase HEL05 and HEL06, two two-story data-center and office buildings.

[10] Kirkkonummi municipal executive board minutes — Microsoft environmental permit consultation

<https://kirkkonummi.oncloudos.com/kokous/20252000.PDF>

Published: Unknown · Retrieved: 2026-10-07

Pages 12–13 locate the project between Länsiväylä, Kehä III and Sundsbergintie; identify HEL04/05/06 and two power supply connections. HEL04 backup-generator fuel-input power is approximately 160 MW, not IT capacity.

Name: [1] [6]
Aliases: [1] [6]
Kind: [2] [3] [9]
Country: [2] [4] [7]
Region: [8]
City: [3] [6]
Metro: [7] [8]
Address: [3]
Operator: [1] [2]
Business Model: [2]
Statuses: [3] [4] [9]
Summary: [2] [3] [4] [5] [7]
Location: [3] [10]
Stable identifier: 5e5ddc93-8655-42dc-b44f-0ec197203b76