

Australia / Facility / Published revision 1

NEXTDC D2 Darwin

≥6 MW · IT load

D2 ultimate advertised IT capacity

Also known as: D2 Darwin Data Centre · D2 Darwin

Development status: under construction

NEXTDC is developing D2 in Darwin CBD adjacent to its existing D1 facility. The operator advertises 6MW+ ultimate IT capacity, while its August 2026 presentation reports 1.5MW in progress for a contracted submarine cable and targets practical completion in 1HFY27. No operational opening 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	NEXTDC [1] [3]
Owner	Unknown
Business model	colocation [5] [6]
Scale	edge [3]
Country	Australia [5] [7]
State / region	Northern Territory [1] [4]
Metro area	Unknown
City / locality	Darwin [1] [4]
Address	2-6 Ryko Court, Darwin City, NT 0800, Australia [2] [5]
Coordinates	Unknown · unknown precision. Address identified through planning evidence and corroborating property directory; no independently sourced facility point 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
≥6 MW IT load	D2 ultimate advertised IT capacity planned · cumulative	[1] reported · 2026-10-09 Excluded from totals. Undated operator page observed on research date; 6MW+ is preserved as a lower-bound claim. Additional to Darwin footprint, not evidence that all capacity is built or operational.
≈6 MW Unspecified power	D2 total planned power planned · cumulative	[3] reported · 2026-08-27 Excluded from totals. Presentation publication date; source says ~6MW+. Overlaps the advertised ultimate IT capacity and must not be added to it; approximation and plus sign retained here.
1.5 MW IT load	D2 capacity in progress for a contracted submarine cable under construction · incremental	[3] reported · 2026-08-27 Excluded from totals. Presentation publication date; page 18 reports 1.5MW in progress within its IT-capacity discussion. Page 30 describes initial capacity as ~1.5MW. This is a subset of ultimate D2 capacity, not an addition to 6MW+.

Development timeline

2026-03 · actual_reported · Structural topping out reported

Operator confirms structural topping out; March precision follows dated DCD reporting, not a verified ceremony date. [7]

1HFY27 · planned · Practical completion target

August 2026 operator presentation retains a first-half FY27 practical-completion target. Actual completion and customer commissioning remain unestablished. [3]

Disclosed specifications

Building: Seven levels

Builder describes the current D2 facility. [4]

Data halls: Four

Builder disclosure; not a rack-capacity estimate. [4]

Electrical infrastructure: Six prefabricated switch rooms; six generators

Ratings, redundancy configuration and fuel endurance not established. [4]

Cooling: Six cooling towers

Cooling capacity, water use and liquid-cooling availability not established. [4]

Certification target: Uptime Institute Tier IV

Operator labels this a target; achieved certification is not established. [1]

Project architect: Hames Sharley

Builder identifies the architect and other project partners. [4]

Connectivity development: 1.5MW in progress for a new contracted submarine cable

Latest opened operator presentation; cable identity and commercial availability not independently established. [3]

Research gaps

- Facility coordinates and Google Maps place identity
- Registered property owner and tenure
- Actual commissioning or opening date
- Relationship between the current CBD D2 project and the larger D2 land parcel announced in 2022
- Land area, building floor area and technical area
- Rack capacity and density, grid connection and total facility power
- Achieved certifications, PUE, energy procurement and water consumption
- Named D2 tenants and facility-specific commercial contacts
- Reusable completed-property photographs

Sources and field evidence

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

[1] D2 Darwin Data Centre

<https://www.nextdc.com/data-centres/darwin-data-centres/d2-darwin>

Published: Unknown · Retrieved: 2026-10-09

Operator identifies D2 in Darwin CBD, Northern Territory, in development; advertises 6MW+ IT capacity and target Uptime Institute Tier IV certification.

[2] Development Consent Authority Darwin Division — PA2025/0044, Item 2

https://environment.nt.gov.au/_data/assets/pdf_file/0003/1491402/dar-item-2-pa2025-0044-04-04-2025-part-1.PDF

Published: Unknown · Retrieved: 2026-10-09

Search-indexed planning text explicitly identifies D2 at 2–6 Ryko Court, Darwin City, adjacent to D1 at 8 Ryko Court; proposes offices and a seven-storey data centre. Direct PDF opening failed, so full record and consent outcome were not inspected.

[3] NEXTDC FY26 Results Presentation

<https://www.nextdc.com/hubfs/Financial%20Reports/FY26/NEXTDC%20FY26%20Results%20Presentation.pdf>

Published: 2026-08-27 · Retrieved: 2026-10-09

Pages 18 and 30 identify D2 as an edge network development with 1.5MW in progress for a contracted submarine cable; total planned power ~6MW+, initial capacity ~1.5MW, practical completion 1HFY27.

[4] NEXTDC D2 Darwin Data Centre — Kapitol

<https://www.kapitol.com/our-projects/industrial/nextdc-d2-darwin-data-centre>

Published: Unknown · Retrieved: 2026-10-09

Builder identifies NEXTDC as client, Darwin Northern Territory location and under-construction status. Describes seven levels, four data halls, six prefabricated switch rooms, six generators and six cooling towers.

[5] NEXTDC D2 Darwin Data Center — Data Center Map

<https://www.datacentermap.com/australia/darwin/nextdc-d2-darwin/>

Published: Unknown · Retrieved: 2026-10-09

Directory corroborates 2–6 Ryko Court, 0800 Darwin, Australia, under-construction status and advertised suites, cages and private cabinets; identifies an adjoining Darwin campus listing.

[6] D2 Darwin Reaches Structural Completion — NEXTDC public post

https://www.linkedin.com/posts/nextdc_datacentres-digitalinfrastructure-darwin-activity-7435448617777381376-Ojm_

Published: Unknown · Retrieved: 2026-10-09

Operator reports topping out, about 80% local participation, additional 6MW AI-ready capacity and planned practical completion in 1HFY27. Only relative posting age was displayed.

[7] Australia's NextDC tops out 6MW data center in Darwin

<https://www.datacenterdynamics.com/en/news/australias-nextdc-tops-out-6mw-data-center-in-darwin/>

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

DCD reports the operator's D2 topping-out announcement and planned 1HFY27 completion; property image is credited to NEXTDC.

[8] NEXTDC and Northern Territory Government release data centre development plans

<https://www.nextdc.com/news/nextdc-and-northern-territory-government-release-data-centre-development-plans-support-digital-territory-strategy>

Published: 2022-03-29 · Retrieved: 2026-10-09

Earlier announcement describes D2 rights over a separate land parcel exceeding 15 hectares for a long-term hyperscale campus. This area and scale are not assigned to the current Ryko Court building.

[9] Construction Snapshot Q3 2025 — Northern Territory Government

https://infrastructure.nt.gov.au/__data/assets/pdf_file/0009/1568304/construction-snapshot-q3-2025.PDF

Published: Unknown · Retrieved: 2026-10-09

Page 28 lists D2 with ancillary office at 2 Ryko Court and an anticipated Q2 2026 completion. This older forecast differs from the operator's 1HFY27 practical-completion target.

Name: [1] [4]
Aliases: [1] [3]
Kind: [4]
Country: [5] [7]
Region: [1] [4]
City: [1] [4]
Address: [2] [5]
Operator: [1] [3]
Business Model: [5] [6]
Scale: [3]
Statuses: [3] [4]
Summary: [1] [3] [4]
Location: [2] [5]
Stable identifier: c07bd760-f98c-4981-b38a-01b490b96205