PowerlandMap

MARKET INTELLIGENCE

Global Data Center Capacity Availability

Locate commercially offered data center capacity across selected global markets and decide which operators to approach first

77
report pages

Extended edition
29 October 2026
Analysis, project evidence and practical models

Original research snapshot dated 4 or 5 October 2026.
Expanded evidence retains its own source-check dates.

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READER GUIDE

Contents and edition guide

This extended edition combines the original research chapters with additional analytical work and a separately dated public-evidence register. The snapshots are not additive.

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Original research coverage

Buyer method, country and operator comparisons, live and future capacity, contracted capacity, qualification, contradictions and the original opportunity appendix.

How to read the update

The opening chapters retain the evidence freeze of 4 October 2026, or 5 October for the UAE study. The expansion was assembled on 29 October. Individual records show the date on which their source was last checked. Extraction is not a new operator confirmation.

Use the expanded record when it supersedes an older baseline statement. Capacity bases and phase boundaries remain explicit. Model inputs are labelled as assumptions. The PDF bookmarks provide direct navigation through the expanded sections.

The public sample contains exactly the first four pages. The complete study includes all sections listed above.

EXECUTIVE ASSESSMENT

Executive summary

PowerlandMap identifies 42 records with a structured positive deliverable-capacity field across 13 countries. The structured total is approximately 1.43 GW, but it is not equivalent to a global vacancy figure. The field records a quantity that can be retained from evidence; its commercial availability must still be reconfirmed.

The US dominates the quantified snapshot because several hyperscale and AI/HPC developments disclose phase-level deliverable quantities. The largest records are CleanArc VA1 (300 MW), Galaxy Helios (200 MW), AVAIO Leo (150 MW), Prime PHX01 (144 MW), Prometheus Evanston (120 MW) and TeraWulf Lake Mariner (102 MW). Some of these projects also show contracted capacity, so the deliverable and contracted fields must be interpreted together.

Outside the US, the largest structured quantities include Lefdal Mine in Norway (60 MW), EdgeConneX facilities in Israel (55.5 MW combined), maincubes in Germany (39 MW), YCO Cloud in the Philippines (30 MW), EdgeConneX Bogotá (27 MW) and UltraEdge facilities in France. Disclosure quality varies materially by operator.

42	~1.43 GW	13
quantified records	structured deliverable MW	countries

EVIDENCE FRAMEWORK

Research methodology and data architecture

Study scope. Selected global markets. Evidence freeze 4 October 2026. This is not a global vacancy census and every offer must be reconfirmed before commitment.

Database snapshot. 5,746 verified supply records across 129 countries; 4,033 live records; 1,713 pipeline records; 67,966.6 MW of sourced IT capacity. The active development pipeline contains 1,671 projects, including 551 under construction.

Canonical identity. PowerlandMap deduplicates campus parents, buildings, acquisitions and operator aliases. A competitor listing is used as a discovery signal, not copied blindly.

Source hierarchy. Primary operator/authority/utility evidence is preferred. Specialist media and directories are used to discover or corroborate records. Unknown values remain unknown.

Quality controls. Capacity basis, evidence grade, confidence, source date, construction stage and RFS provenance are stored separately.

Core field	Rule
IT MW	Only when explicitly supported or separately labelled estimate
Electrical/campus MW	Never silently treated as IT
RFS	Source date/period or labelled PLM estimate
Project status	Canonical pipeline stage
Availability	Requires commercial evidence; site total is insufficient
Source date	Retained for recency review