

Data Center Source Information

Summary

Sources of Data Center Information

Data center development has important implications for investors looking to capitalize on growth in Artificial Intelligence adoption as well as policy makers tasked with navigating competing priorities including increased demand for electricity, as well as potential economic and environmental trade-offs. Several players have emerged that cover the data center market including Data Center Hawk, Data Center Map, DC Byte, Synergy Research, Aterio and Structure Research. (Appendix contains links to competitors.) These companies collect information on data center development in the United States and globally. Aterio was chosen for this analysis as it provides intelligence using a combination of sources including geospatial satellite imagery to track data center development with particular emphasis on power usage and forecasts. Aterio updates its database daily, providing investors and users with current information on datacenter status.

Licensing

Detailed information on the data center market is provided by third parties and requires licensing. Some vendors provide research and consulting services.

Analysis of Aterio Random Sample

For this study, Aterio provided a snapshot sample of its data file as of April 2026. The sample is a random representation of data center data available at that time and is used in this analysis to provide directional information on data center development by State in the US.

Analysis of the Aterio sample data provides general indications that may be updated with a full and more recent dataset either as a snapshot or a live data feed.

Initial indicative findings based on April 2026 random sample:

- The US will experience a surge in new data centers (including activations in 2025 and 2026) with an increase of 69% from the start of the historical series in 2000. As of June 2026, Aterio reported 766 data centers under construction, and 2,026 data centers active. This does not include transmission and other infrastructure projects.
- Based on the sample provided, Texas has the largest number of Data Centers (planned and active) followed by Virginia, Arizona, Ohio, California and Georgia. The State of New York has 4 data centers, 3 of which are activate from 2025 onward.
- Investments in data center development are significant, averaging \$1.8B in project costs.
- The sample data indicate 17 projects with activation dates between 2025 and 2030 that are being funded through financing companies. The main players are Blue Owl Capital (7) and SoftBank Group (5). Funding for these projects is concentrated in the South and Southwest where 10 of the 17 projects are in Texas and New Mexico.
- The mean Power Capacity (MW) of data centers from disclosed sources is around 239 megawatts. There is a wide range of Power Capacity from less than 1 MW to 300 MW.

- Data centers occupy significant acreage, with data center projects in the sample data averaging about 657 acres of usage.

Applications of Geospatial Data Center Data

The Aterio data may be merged with other sources of data including water usage, economic data including GDP, utility data including Power Capacity and emissions, and other sources to assess the impact of data center development in the US. Merges may be done on FIPS Code or Latitude and Longitude, linking data center development data with events such as power outages as well as locations of watersheds and wetlands. In addition, the data may be used for location analysis of energy or utility projects in relation to data center development.

Finally, trends in the data center market may be examined including project delays or cancellations, new projects, and power usage. Further detail on Aterio Data Center trends may be found [here](#).

Aterio Data

Data Collection Method

Aterio aims to publish only information that it can confidently validate. As new projects progress, Aterio enriches the dataset with additional fields such as square footage, generator count, and other facility characteristics. If Aterio cannot verify a value through public sources, the field is left blank and is not estimated.

Each project is documented and validated using multiple sources, including provider announcements, permitting and planning documents, utility filings, local government records, and satellite imagery. Aterio monitors over 1,000 news and RSS sources to identify new developments. A key differentiator of Aterio is that satellite imagery is used to detect early construction activity that may not yet be widely reported.

Data Fields

The Aterio Data Center database is updated daily and contains detailed geospatial data on data center location (State, Latitude, Longitude), real estate usage (Data Center space in square footage, site acreage), status (construction status, finish date, activation date), features (AI Facility Flag, number of generators, Power Capacity MW), investment (financing companies, end users, project costs), and utilities (Provider, Public/Private Indicator).

RangeIndex: 999 entries, 0 to 998

Data columns (total 73 columns):

#	Column	Non-Null Count	Dtype
0	ATERIO_DATA_CENTER_UID	247 non-null	object
1	DATA_CENTER_BUILDING_NAME	247 non-null	object

2	ATERIO_DATA_CENTER_CAMPUS_UID	213 non-null	object
3	DATA_CENTER_CAMPUS_NAME	213 non-null	object
4	DATA_CENTER_STAGE	247 non-null	object
5	FLG_AI_FACILITY	86 non-null	object
6	FLG_BTМ_ONSITE_POWER_GENERATION	42 non-null	object
7	TOT_PROJECT_COST	54 non-null	float64
8	ATERIO_PROVIDER_UID	247 non-null	object
9	PROVIDER_NAME	247 non-null	object
10	PROVIDER_URL	227 non-null	object
11	PROVIDER_PUBLIC_PRIVATE	247 non-null	object
12	PROVIDER_TICKER_NAME	110 non-null	object
13	PROVIDER_BLOOMBERG_TICKER_NAME	110 non-null	object
14	STOCK_EXCHANGE_PROVIDER_NAME	110 non-null	object
15	PROVIDER_BACKED_BY	49 non-null	object
16	CONSTRUCTION_EQUIPMENT_PROVIDER_COMPANIES	42 non-null	object
17	PROJECT_FINANCING_COMPANIES	17 non-null	object
18	END_USER_COMPANIES	30 non-null	object
19	FULL_ADDRESS	247 non-null	object
20	ZIP_CODE	247 non-null	object
21	COUNTY_FIPS_CODE	246 non-null	float64
22	COUNTY_NAME	246 non-null	object
23	CITY_NAME	247 non-null	object
24	PLACE_FIPS_CODE	223 non-null	float64
25	STATE_CODE	247 non-null	object
26	STATE_NAME	247 non-null	object
27	COUNTRY_CODE	247 non-null	object
28	COUNTRY_NAME	247 non-null	object
29	LOCATION_LATITUDE	247 non-null	float64
30	LOCATION_LONGITUDE	247 non-null	float64
31	SITE_ACREAGE	156 non-null	float64
32	TOT_FACILITY_SPACE_SQFT	173 non-null	float64
33	TOT_DATACENTER_SPACE_SQFT	194 non-null	float64
34	PROV_PUB_TOT_POWER_CAPACITY_MW	144 non-null	float64
35	ATERIO_EST_TOT_POWER_CAPACITY_MW	208 non-null	float64
36	ATERIO_EST_TOT_POWER_CAPACITY_MW_LOWER	203 non-null	float64
37	ATERIO_EST_TOT_POWER_CAPACITY_MW_UPPER	203 non-null	float64
38	SELECTED_POWER_CAPACITY_MW	239 non-null	float64
39	AVG_MARKET_POWER_COST	29 non-null	float64
40	YEARLY_PUE	27 non-null	float64

41	TOT_NUM_GENERATORS	61 non-null	float64
42	DATA_CENTER_ANNOUNCED_DATE	157 non-null	object
43	DATA_CENTER_CANCELLED_DATE	1 non-null	object
44	DATA_CENTER_PROJECT_WITHDRAWN_DATE	11 non-null	object
45	DATA_CENTER_CONSTRUCTION_START_DATE	127 non-null	object
46	LATEST_SATELLITE_PICTURE_DATE	154 non-null	object
47	PCT_CONSTRUCTION_STATUS	152 non-null	float64
48	DATA_CENTER_CONSTRUCTION_FINISHED_DATE	25 non-null	object
49	DATA_CENTER_ACTIVATION_DATE	238 non-null	object
50	ESTIMATED_ACTIVE_DATE_BY	149 non-null	object
51	ATERIO_ELECTRICAL_UTILITY_UID	188 non-null	object
52	UTILITY_NAME	188 non-null	object
53	UTILITY_CODE	188 non-null	float64
54	UTILITY_PUBLIC_PRIVATE	156 non-null	object
55	UTILITY_TICKER_NAME	88 non-null	object
56	UTILITY_BLOOMBERG_TICKER_NAME	88 non-null	object
57	UTILITY_EXCHANGE_PROVIDER_TICKER_NAME	88 non-null	object
58	ATERIO_BAL_AUTH_UID	233 non-null	object
59	BAL_AUTH_ABBR	233 non-null	object
60	BAL_AUTH_NAME	233 non-null	object
61	ATERIO_BAL_AUTH_SUBREGION_UID	159 non-null	object
62	BAL_AUTH_SUBREGION_CODE	159 non-null	object
63	BAL_AUTH_SUBREGION_NAME	159 non-null	object
64	DATASHEET_URL	240 non-null	object
65	MAP_URL	245 non-null	object
66	PROJECT_PERMIT_URL	65 non-null	object
67	CAPEX_URL	16 non-null	object
68	PROJECT_EXECUTION_LIKELIHOOD	158 non-null	object
69	NOTES	205 non-null	object
70	RECORD_CREATED_DATE	247 non-null	object
71	RECORD_UPDATED_DATE	247 non-null	object
72	UPDATED_AT	247 non-null	object

Data Coverage

The Sample series covers data centers with activation dates between January 2000 and March 2035.

ACTIVATION DATE RANGE

2035-03-31 00:00:00

2000-01-01 00:00:00

Number of Data Centers by State

Based on the sample provided, Texas has the largest number of Data Centers (planned and active) followed by Virginia, Arizona, Ohio, California and Georgia. The State of New York has 4 data centers, 3 of which are activate from 2025 onward.

STATE_CODE

TX 60

VA 42

AZ 15

OH 15

CA 13

GA 13

PA 8

IL 8

NM 7

NV 5

NC 5

NY 4

IA 4

UT 4

WA 4

MN 3

SC 3

OR 3

OK 3

LA 3

AL 3

WI 3

MI 2

CT 2

IN 2

WY 2

NJ 1

SD 1

KY 1

AR	1
TN	1
MS	1
MO	1
MT	1
NE	1
MA	1
QC	1

Number of Data Centers by Activation Date

The US will experience a surge in new data centers expected to come online between 2025 and 2035, with 41% of new datacenters coming online between 2027 and 2028. This represents an increase of 69% (of 238) since 2000.

Activation_Year

2035.0	1
2033.0	2
2032.0	3
2031.0	1
2030.0	6
2029.0	10
2028.0	46
2027.0	53
2026.0	24
2025.0	18
2024.0	7
2023.0	6
2022.0	2
2021.0	5
2020.0	3
2019.0	3
2018.0	4
2017.0	2
2016.0	3
2015.0	3
2014.0	3
2013.0	5
2012.0	5

2011.0	3
2010.0	3
2009.0	1
2008.0	3
2006.0	1
2004.0	1
2003.0	1
2001.0	2
2000.0	8

Name: count, dtype: int64 238

From the sample, 164 datacenters are expected to be activated between 1Q 2025 and 1Q 2035. Of these, construction status is ~ 23 % complete.

This does not include transmission and other infrastructure and is specific to data center facilities.

In its July 2026 Report, Aterio noted that over the past 30 days, 50 buildings moved into activation representing >3GW of power capacity. Also highlighted were several new projects:

Microsoft Plans AVC 22 Campus in Clarksville, VA

Microsoft is planning the AVC 22 campus in Clarksville, VA, consisting of three data center buildings adjacent to its existing AVC 17 development.

Tract Plans 12-Building Campus in Virginia

Tract is developing a 900-acre, 12-building data center campus in Goochland County, VA, with projected construction costs of approximately \$3B.

Comanche Circle Advances in Hood County, TX

The Hood County Commissioners Court approved the Comanche Circle concept plan in a 3–1 vote on June 9, 2026, allowing the project to advance into the site development plan review phase.

1.8 GW Cheyenne Campus Moves Forward With Google as Customer

The planned 1.8 GW Cheyenne data center campus is proceeding without Crusoe, with Black Hills Energy confirming it is working directly with the hyperscaler customer, widely reported to be Google.

Construction Resumes at AWS Village Technology Park

Construction has resumed at Amazon Web Services' Village Technology Park after more than eight months of inactivity, with June 2026 satellite imagery confirming equipment installation underway at one of the three previously delayed data center buildings.

Digital Realty Secures 1,440 Acres for Multi-Gigawatt Campus

Digital Realty has acquired 1,440 acres for a new campus, with Phase 1 covering 280 acres and up to nine buildings (~3M sq ft); an agreement with Evergy provides 600 MW by early 2028, scaling to 2 GW.

DataBank Plans 200 MW Project Indo in Georgia

DataBank is developing Project Indo, a 200 MW, 1.1M sq ft data center campus in Cartersville, GA.

Galaxy Advances Project Merlin in Central Texas

Galaxy Digital is developing Project Merlin, a 500-acre grid-connected data center campus in McGregor, TX, planned to include three to five powered shell buildings.

Beacon Plans 275 MW Golden Valley Technology Hub

Beacon Data Centers is planning the Golden Valley Technology Hub, a 275 MW, 400,000 sq ft data center on 100 acres within the Elk Hills Oil Field in Kern County, CA, powered by California Resources Corporation's existing natural gas plant.

Hummelstown Quarry Campus Planned in Pennsylvania

HCI DP Land Acquisition LLC is developing the Hummelstown Quarry Data Center Campus in South Hanover Township, Dauphin County, PA, with two data center buildings totaling approximately 596,800 sq ft across 249.5 acres.

In Niagara County of New York State, there are at least three projects on one site, with the first active as of 2025.

Sample of Data Centers Activated after 2024 IN NEW YORK STATE							
STATE_CODE	COUNTY_NAME	Activation_Date	DATA_CENTER_CAMPUS_NAME	PROVIDER_NAME	PCT_CONSTRUCTION_STATUS	SELECTED_POWER_CAPACITY_MW	TOT_DATACENTER_SPACE_SQFT
NY	Niagara County	2025-11-12	Lake Mariner Campus	TeraWulf	NaN	22.5	63000.0
NY	Niagara County	2026-03-02	Lake Mariner Campus	TeraWulf	1.0	50.0	134000.0
NY	Niagara County	2029-06-30	Lake Mariner Campus	TeraWulf	0.0	227.5	350000.0

Average project cost

Investments in data center development are significant, averaging \$1.8B.

Mean: \$ 1,890,167,000

Min: \$19,700,000

Max: \$16,500,000,000

Investors

In this sample, there are 17 projects with activation dates between 2025 and 2030 that are being funded through financing companies. The main players are Blue Owl Capital (7) and SoftBank Group (5). Funding for these projects is concentrated in the South and Southwest where 10 of the 17 projects are in Texas and New Mexico.

PROJECT_FINANCING_COMPANIES

STATE_CODE

Blue Owl Capital	LA	3	
	NM	3	
Google	TX	1	
Macquarie Asset Management, MVM EGI	TX	1	
Snowhawk, Nuveen, a TIAA company	VA	3	
SoftBank Group	TX	2	
SoftBank Group, Blue Owl Capital	TX	3	
Trident Ridge, Pelion Venture Partners, EnergySolutions	UT	1	

Power Capacity

The mean Power Capacity (MW) of data centers is around 239 megawatts. There is a wide range of Power Capacity from less than 1 MW to 300 MW. Average power capacity of new projects (post 2024) is 98 MW with a Maximum of 300 MW.

Selected Power Capacity

Mean: 239 MW

Min: 0.3 MW

Max: 300 MW

Acreage

Data centers occupy significant acreage, with data center projects averaging about 657 acres of usage.

Mean: 657 acres

Min: 0

Max: 5,769 acres

APPENDIX

Data Sources

Aterio

https://www.aterio.io/datasets/lst_us_data_centers

Aterio.io's **US Data Center Locations and Power Demand** provides a comprehensive inventory of data centers across the United States, including those currently operational, under construction, and announced for future construction. Sourced from data center providers, press releases, satellite imagery, energy grid data, Aterio's proprietary energy curves, and utility company records, this dataset offers detailed information on locations, sizes, utility companies serving those markets, and estimated power demand. Some of the tickers covered by the dataset include LUMN, DLR, EQIX, GOOG, NTTY, RXT, META, AMZN, AAPL, MSFT, ORCL, and others.

Our dataset categorizes data centers by size and power demand, facilitating granular analysis and tailored insights. The categories are segmented as follows:

- **Small (up to 1 MW)**: Understand the dynamics of smaller data centers, essential for niche applications and localized services.
- **Medium (1-10 MW)**: Explore mid-sized data centers, crucial for regional services, enterprise needs, and cloud service providers.
- **Large (10-50 MW)**: Gain insights into larger facilities, pivotal for understanding major market players and their operational demands.
- **Mega (50+ MW)**: Analyze mega data centers, important for understanding the backbone of global IT infrastructure and large-scale cloud providers.

Update every day

Stay ahead of the curve with our dataset's daily updates. We understand the importance of current data in today's fast-paced environment, ensuring that our users have access to the latest insights to inform their strategies promptly.

Data Center Hawk

Link: [Data Center Hawk](#)

Provides detailed view of markets across North America, Europe, Asia Pacific, and Latin America.

Understand colocation markets

Instantly understand the supply, demand and lease pricing across global markets.

Track hyperscale users

Evaluate your development plans in light of the footprints of the largest data center customers.

Mine sale and lease comps

Get granular transaction data to back up your hardest to support negotiations.

Data Center Map

Link: [Data Center Map](#)

“We provide market intelligence at your fingertips, through a comprehensive suite of tools and the industry’s leading directory of data centers, data center service providers and data center news.

Through more than 15 years in the industry, we have built the most comprehensive database available. We believe in an open and transparent industry and hence provide the majority of our data free of charge and in an easy to utilize format.

Link: [DC Byte](#)

Global information on over 8,300 data centre facilities including hyperscale, self-build and colocation facilities. Data are at the market and company level with a front end interface for analysis.

Dive into data centre market insights by region or specific markets in Americas, APAC or EMEA, get access to raw data for any market, customise your views by segment and pull reports at the touch of a button.

View data centre assets by operators and gain instant insights on their footprint across geographies. Sort their facilities by capacity and see where they rank on leaderboards across global markets.

Explore our interactive overlays showing power, connectivity and renewable energy networks. Evaluate risk and infrastructure access to make faster, data-driven site selection and investment decisions.

Synergy Research

Link: [Synergy Research](#)

About Synergy Research Group

Synergy Research Group delivers quarterly analyses of global IT and Cloud markets, offering detailed breakouts of vendor revenues and shipments by segment and region. Market shares and forecasts are provided through Synergy Interactive Analysis (SIA™) — the industry's only fully proprietary SaaS platform purpose-built for market share and forecasting analytics.

For more than 25 years, Synergy has been a trusted source of quantitative research and market intelligence across emerging communications and technology sectors. By combining syndicated research with specialized consulting, we deliver actionable intelligence to marketing and strategy executives worldwide.

Research Services

We provide our clients with market share, market sizing and forecast data to benchmark their competitive position and support strategic decision-making through comprehensive quantitative analysis.

Data Center Reporting:

Data Center & Cloud Equipment Market Trackers

Cloud Infrastructure Equipment - Totals

Data Center Infrastructure

Data Center Infrastructure - Enterprise

Data Center Infrastructure - SP

Data Center & Cloud Infrastructure Services Market Trackers

Structure Research

Link: [Structure Research](#)

About Structure Research

Structure Research is an independent research and consulting firm with a special focus on the digital infrastructure market. We specialize in data centres, hyperscale, cloud, edge, and AI infrastructure. Our team tracks, analyzes and forecasts the future of digital infrastructure service providers worldwide.

Structure Research has built a repository of data centre & hyperscale industry metrics and data points that is accessible to subscribing clients. The analytics are used to create our data-driven market share and data centre supply reports.

Examples of metrics and data points we track:

- Revenue
- Revenue on a geographic basis
- Revenue on a segment basis
- Growth rates
- Server counts
- Customer counts
- Headcounts
- Data centre supply (power and space)
- Service providers
- CEOs
- HQs
- Data centre vendors

Organizations use our data centre industry metrics to measure market share, project growth and assess market opportunities. Our repositories are also used as lead generation tools and for benchmarking. Structure Research is uniquely positioned to address the shortage of reliable data centre industry metrics.