

# U.S. Data Center Construction Market - Industry Outlook & Forecast 2022-2027

Market Report | 2022-09-14 | 467 pages | Arizton Advisory & Intelligence

#### **AVAILABLE LICENSES:**

- Single User License \$3995.00
- Team License \$4495.00
- Enterprisewide \$5495.00

#### **Report description:**

The U.S. data center construction market is expected to grow at a CAGR of 3.47% during 2022-2028.

#### MARKET INSIGHTS

The U.S. is the most mature data center development and operations market. The growing popularity of IoT, the emergence of 5G networks, and the demand for streaming online entertainment content at high speeds are the significant factors driving the growth of the data center construction market in the US.

Increasing data traffic has created additional demand for developing many data centers that support data generated by businesses and consumers. The use of cloud computing services and applications will continue to grow in the US, further developing large hyperscale cloud-based centers. Some preferred locations by operators in the US are Virginia, Texas, California, Illinois, Georgia, Oregon, Nevada, Arizona, and Ohio. Virginia and Texas are the leading states in data center investments in 2021.

#### U.S. DATA CENTER CONSTRUCTION MARKET OPPORTUNITIES

- The US has emerged as the most prominent cloud market in the world with the presence of major global cloud operators. The wide adoption of cloud services has increased the country's need for data center construction.

- There is increased growth of hyperscale facilities in the US, such as Facebook, Microsoft, Amazon Web Services, Apple, and Google. In 2021, about 27 hyperscale data centers began operations or were under construction in the US.

-[The modern data center is based upon Tier standards to evaluate facilities based on the efficiency, performance, and redundancy of the infrastructure the Uptime Institute gives. Other standards for construction include LEED Certification, TIA 942, and ANSI/BICSI 002-2019 certifications.

- The Western US expects to dominate the market in terms of overall investment during the forecast period, garnering over \$6.6 billion. However, the South-Eastern and Mid-Western US will compete with the Western US regarding investments and the number of projects during the forecast period.

- Cloud expansion in the US involves a mix of colocation & self-built workloads. Collectively, colocation operators and investments are boosting the region's growth of data center construction.

The construction of data center in the US is growing substantially, with leading service providers investing significantly in new developments and expansions. There has been significant growth in M&A under Joint ventures, which have positively impacted the construction market's growth.

KEY TRENDS DRIVING THE MARKET

Impact of Cloud Connectivity

-[After the COVID-19 outbreak, there was a growth in cloud services in the United States data center market as enterprises shifted their workloads to the cloud infrastructure. For instance, YouTube migrated its infrastructure to the cloud.

- Many hyperscale facilities are being built, enabling cloud service providers to expand their cloud region across the US.

- Government agencies have migrated their applications to a private cloud environment where cloud service providers operate. - Major regional cloud service providers plan to collaborate to provide cloud-based services. Collaborations with the new entrants to colocate their workloads with the existing colocation operators.

- The growing use of cloud computing applications and services in the US will aid in developing cloud-based hyperscale data centers.

- The economy projects will increase due to the investments paving the way for more construction projects across the states.

## Big Data & IoT Driving the Market Growth

- The US is one of the major hubs for IoT and big data, where most data is being generated. As a result, the deployment of hyperscale investment was witnessed in the country to keep the data secured.

- There is a high internet penetration rate in the US, i.e., around 85%, which increases the amount of data generated. Also, the country contributes over 50% of the world's spending on big data and analytics solutions.

-[]In August 2021, AT&T and Cisco partnered to launch 5G services to boost performance for Internet of Things (IoT) applications across the US.

- Metaverse is gaining popularity allowing the users to connect via VR (Virtual Reality) and AR (Augmented Reality), generating vast amounts of data using connected devices such as mobile phones & computers.

- The adoption of IoT will drive the demand for edge data center construction requiring low latency with high computing capabilities.

Rising Colocation Investments

Prominent investors in the US include Equinix, Digital Realty, CyrusOne, Google, QTS Realty Trust, Vantage Data Centers, and NTT Global Data Centers.

- In February 2021, A 36MW IT load facility was launched by NTT Global Data Centers in Hillsboro, Oregon.

-[In May 2021, TA Realty announced its plan to develop a 300MW data center campus in Loudoun County, Virginia, spanning 1.5 million sq. ft.

-[]In April 2021, the Construction of a 240MW data center campus was started by NTT Global Data Centers in Arizona.

- In April 2021, Construction of a 48MW facility named ORD-1 was commenced by Aligned, which will be expandable to 60MW. - An increase in investments will help provide revenue opportunities to construction contractors and infrastructure providers worth billions of dollars.

Tax Incentives Boosting Construction Market

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com www.scotts-international.com

-[One of the essential enablers for the data center construction market is tax incentives and breaks offered in states and countries across the US, which helps yield high savings while incorporating other specified benefits.

- Rhode Island has passed an act for exception from property and sales tax for 50 years for data centers fulfilling the criteria.

-[]Tax relief of around \$150 million was offered to Facebook by Utah's local community for 20 years.

-[In 2020, Michigan approved \$20 million under tax incentives for Switch Data Centers for data center construction.

- A Data Center Investment Program was established in Illinois to provide local and state tax exemptions to the operators and owners.

#### SEGMENTS ANALYSIS

Segmentation by Facility Type -[Colocation Data Centers -[Hyperscale Data Centers -[Enterprise Data Centers

Segmentation by Infrastructure -[Electrical Infrastructure -[Mechanical Infrastructure -[General Construction

Segmentation by Electrical Infrastructure -[Uninterruptible Power Supply (UPS) Systems -[Generators -[Power Distribution Units -[Transfer Switches & Switchgear -[Other Electrical Infrastructure

Segmentation by Mechanical Infrastructure -[Cooling Systems -[Racks -[Other Mechanical Infrastructure

Segmentation by Cooling Systems
-[CRAC & CRAH Units
-[Chiller Units
-[Cooling Towers
-[Condensers & Dry Coolers
-[Economizer & Evaporative Coolers
-[Other Cooling Units

Segmentation by Cooling Techniques -[]Air-based Cooling Techniques -[]Liquid-based Cooling Techniques

Segmentation by General Construction Core & Shell Development Installation & Commissioning Services

- Engineering & Building Design - Fire Detection & Suppression - Physical Security - DCIM / BMS Solutions

Segmentation by Tier Standards -[Tier I & II -[Tier III -[Tier IV

Segmentation by Geography:? o
Western US o
South-Eastern US o
Mid-Western US o
South-Western US o
North-Eastern US

#### COMPETITIVE ANALYSIS

-[]The market consists of contractors, architectural and engineering firms, physical security vendors, and DCIM service providers. With the growing construction of hyperscale facilities, revenue opportunities for construction contractors are high as several centers are developing. Some major construction contractors operating in the market include AECOM, DPR Construction, Corgan, Turner Construction, and Jacobs and Holder Construction.

- Construction contractors collaborate with infrastructure vendors to provide modular infrastructure solutions, helping them manage costs and scaling. Manufacturers such as Huawei offers prefabricated modular facilities such as FusionDC1000B, which can be small or medium-sized and incorporate Artificial Intelligence.

- The increasing number of cloud regions will benefit construction contractors, infrastructure providers, architectural and engineering firms, and others.

-[]Vendors are focusing on the regions with the lower labor and land costs while confirming the data center construction specifications are followed.

- The market competitiveness will be increased by the high costs of modern security systems being procured. At the same time, the DCIM/BMS solutions will remain competitive for decreasing the OPEX of the facility.

Key Data Center Support Infrastructure Providers

-[ABB -[Caterpillar -[Cummins -[Delta Electronics -[Eaton -[Legrand -[Rolls-Royce -[Schneider Electric -[STULZ -[Vertiv

Key Data Center Contractors - AECOM

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com www.scotts-international.com

-[]Arup - Black & Veatch -[]Corgan - DPR Construction -[Fortis Construction - Harley Ellis Devereaux (HED) - Holder Construction -[]acobs - Rogers-O'Brien Construction - Syska Hennessy Group Turner Construction Key Data Center Investors -[]Apple - Amazon Web Services (AWS) - CyrusOne -[]DataBank Digital Realty -[]Equinix -[Facebook (Meta) -[]Google -[]Microsoft INTT Global Data Centers Other Prominent Support Infrastructure Providers

Airedale International Air Conditioning -∏Alfa Laval - Asetek Bloom Energy -∏Carrier -∏Condair -[]Cormant - Cyber Power Systems - Data Aire -[Enlogic - FNT Software - Generac Power Systems - Green Revolution Cooling (GRC) - HITEC Power Protection - Johnson Controls - KOHLER - KyotoCooling - Mitsubishi Electric - Natron Energy -[]NetZoom Nlyte Software -[Rittal

-[]Siemens - TRANE (Ingersoll Rand) Tripp Lite -[]Yanmar (Himoinsa) -[]ZincFive **Other Prominent Construction Contractors** -[]AlfaTech - BlueScope Construction Burns & Mcdonnell CallisonRTKL - Clune Construction - EMCOR Group - EYP MCF -[]Gensler - Fluor Corporation - Gilbane Building Company -[]HDR -[]HITT Contracting - Hoffman Construction - IE Dunn Construction -[]Linesight -[]M+W Group (EXYTE) - Morrison Hershfield -[]Mortenson - Sheehan Nagle Hartray Architects - Structure Tone The Mulhern Group The Walsh Group The Weitz Company Tindall Other Prominent Data Center Investors Aligned - American Tower - CloudHQ -[]Cologix

- Compass Datacenters - COPT Data Center Solutions
- CoreSite Realty
- Cyxtera Technologies
- -[]DartPoints
- DC BLOX
- EdgeCore Internet Real Estate
- -[]EdgeConneX
- -[]EdgePresence
- \_Element Critical

- Flexential - fifteenfortyseven Critical Systems Realty - GIGA Data Centers - HostDime - Iron Mountain - Prime Data Centers - QTS Realty Trust - Sabey Data Center - Skybox Datacenters - Stream Data Centers - Stream Data Centers - StrACK INFRASTRUCTURE - Switch - T5 Data Centers - Vantage Data Centers - Vapor IO

New Entrants -[AUBix -[Cirrus Data Services -[DaSTOR -[EdgeX Data Centers -[Novva -[PointOne -[Quantum Loophole -[Yondr

## KEY QUESTIONS ANSWERED

1. What will be the U.S. data center construction market size by 2027?
2. What will be the market size in terms of area for the U.S. Data Center Construction Market by 2027?
3. Who are the key investors in the U.S. data center construction market?
4. What are the segments covered in the U.S. data center construction market?
5. What factors drive the growth in the U.S. data center construction market?

## Table of Contents:

1 RESEARCH METHODOLOGY
 2 RESEARCH OBJECTIVES
 3 RESEARCH PROCESS

4 SCOPE & COVERAGE
4.1 MARKET DEFINITION
4.2 BASE YEAR
4.3 SCOPE OF THE STUDY
4.3.1 MARKET SEGMENTATION BY FACILITY TYPE
4.3.2 MARKET SEGMENTATION BY CONSTRUCTION TYPE
4.3.3 MARKET SEGMENTATION BY INFRASTRUCTURE
4.3.4 MARKET SEGMENTATION BY ELECTRICAL INFRASTRUCTURE
4.3.5 MARKET SEGMENTATION BY MECHANICAL INFRASTRUCTURE

4.3.6 MARKET SEGMENTATION BY COOLING SYSTEM
4.3.7 MARKET SEGMENTATION BY COOLING TECHNIQUES
4.3.8 MARKET SEGMENTATION BY GENERAL CONSTRUCTION
4.3.9 MARKET SEGMENTATION BY TIER STANDARDS
4.3.10 MARKET SEGMENTATION BY GEOGRAPHY

5 REPORT ASSUMPTIONS & CAVEATS 5.1 KEY CAVEATS 5.2 CURRENCY CONVERSION 5.3 MARKET DERIVATION

6 MARKET AT A GLANCE 7 PREMIUM INSIGHTS 7.1 KEY MARKET HIGHLIGHTS 7.2 KEY ENABLERS DRIVING THE MARKET 7.3 COMPETITIVE ANALYSIS

8 INTRODUCTION 8.1 KEY CONSIDERATIONS IN DATA CENTER CONSTRUCTION 8.2 DATA CENTER DESIGN CERTIFICATIONS 8.2.1 UPTIME INSTITUTE TIER STANDARDS 8.2.2 LEED CERTIFICATION 8.2.3 TIA 942 CERTIFICATION 8.2.4 ANSI/BICSI 002-2019 CERTIFICATION 8.3 DATA CENTER SITE SELECTION CRITERIA 8.3.1 KEY

9 MARKET OPPORTUNITIES & TRENDS
9.1 5G CONNECTIVITY AND EDGE DATA CENTER DEPLOYMENTS
9.2 DEPLOYMENT OF MICROGRIDS IN DATA CENTERS
9.3 SUSTAINABILITY INITIATIVES BY DATA CENTER OPERATORS
9.4 ADOPTION OF INNOVATIVE DATA CENTER TECHNOLOGIES
9.5 RISING ADOPTION OF DCIM
9.6 SUSTAINABLE DATA CENTER CONSTRUCTION TECHNIQUES
9.7 AVAILABILITY OF INNOVATIVE UPS BATTERY TECHNOLOGIES
10 MARKET GROWTH ENABLERS
10.1 CLOUD CONNECTIVITY DRIVING THE DEMAND FOR DATA CENTERS
10.2 IMPACT OF COVID-19

**10.3 CONSTRUCTION OF MODULAR DATA CENTERS** 

10.4 IOT & BIG DATA

10.5 TAX INCENTIVES FOR DATA CENTER CONSTRUCTION

10.6 INCREASE IN HYPERSCALE DATA CENTER INVESTMENTS

**10.7 INCREASING CONNECTIVITY NETWORK** 

- **10.8 RISE IN DATA CENTER EXPANSION INITIATIVES**
- 10.9 RISING COLOCATION DATA CENTER INVESTMENTS

#### **11 MARKET RESTRAINTS**

- 11.1 INCREASE IN POWER AND WATER CONSUMPTION BY DATA CENTERS
- 11.2 LOCATION CONSTRAINTS ON DATA CENTER CONSTRUCTION
- 11.3 DEARTH OF SKILLED WORKFORCE
- 11.4 RISING CARBON EMISSIONS FROM DATA CENTERS
- 11.5 DATA CENTER SECURITY CHALLENGES
- 12 MARKET LANDSCAPE
- 12.1 MARKET OVERVIEW
- 12.2 INVESTMENT: MARKET SIZE & FORECAST
- 12.3 AREA: MARKET SIZE & FORECAST
- 12.4 POWER CAPACITY: MARKET SIZE & FORECAST
- 12.5 SUPPORT INFRASTRUCTURE: MARKET SIZE & FORECAST
- 12.7 FIVE FORCES ANALYSIS
- 12.7.1 THREAT OF NEW ENTRANTS
- 12.7.2 BARGAINING POWER OF SUPPLIERS
- 12.7.3 BARGAINING POWER OF BUYERS
- 12.7.4 THREAT OF SUBSTITUTES
- 12.7.5 COMPETITIVE RIVALRY
- 13 FACILITY TYPE
- 13.1 INVESTMENT: MARKET SNAPSHOT & GROWTH ENGINE
- 13.2 AREA: MARKET SNAPSHOT & GROWTH ENGINE
- 13.3 POWER CAPACITY: MARKET SNAPSHOT & GROWTH ENGINE
- 13.4 COLOCATION DATA CENTER
- 13.4.1 MARKET OVERVIEW
- 13.4.2 INVESTMENT: MARKET SIZE & FORECAST
- 13.4.3 AREA: MARKET SIZE & FORECAST
- 13.4.4 POWER CAPACITY: MARKET SIZE & FORECAST
- 13.5 HYPERSCALE DATA CENTER
- 13.5.1 MARKET OVERVIEW
- 13.5.2 INVESTMENT: MARKET SIZE & FORECAST
- 13.5.3 AREA: MARKET SIZE & FORECAST
- 13.5.4 POWER CAPACITY: MARKET SIZE & FORECAST
- 13.6 ENTERPRISE DATA CENTER
- 13.6.1 MARKET OVERVIEW
- 13.6.2 INVESTMENT: MARKET SIZE & FORECAST
- 13.6.3 AREA: MARKET SIZE & FORECAST
- 13.6.4 POWER CAPACITY: MARKET SIZE & FORECAST

14 CONSTRUCTION TYPE 14.1 MARKET SNAPSHOT & GROWTH ENGINE 14.2 TRADITIONAL 14.2.1 MARKET OVERVIEW 14.2.2 MARKET SIZE & FORECAST 14.3 MODULAR 14.3.1 MARKET OVERVIEW

**15 INFRASTRUCTURE 15.1 MARKET SNAPSHOT & GROWTH ENGINE 15.2 MARKET OVERVIEW 15.3 ELECTRICAL INFRASTRUCTURE 15.3.1 MARKET OVERVIEW 15.3.2 MARKET SIZE & FORECAST 15.4 MECHANICAL INFRASTRUCTURE 15.4.1 MARKET OVERVIEW 15.4.2 MARKET SIZE & FORECAST 15.5 GENERAL CONSTRUCTION 15.5.1 MARKET OVERVIEW 15.5.2 MARKET SIZE & FORECAST 16 ELECTRICAL INFRASTRUCTURE 16.1 MARKET SNAPSHOT & GROWTH ENGINE 16.2 MARKET OVERVIEW** 16.3 UPS SYSTEMS 16.3.1 MARKET OVERVIEW **16.3.2 MARKET SIZE & FORECAST 16.4 GENERATORS** 16.4.1 MARKET OVERVIEW 16.4.2 MARKET SIZE & FORECAST **16.5 TRANSFER SWITCHES & SWITCHGEAR** 16.5.1 MARKET OVERVIEW **16.5.2 MARKET SIZE & FORECAST** 16.6 PDUS **16.6.1 MARKET OVERVIEW 16.6.2 MARKET SIZE & FORECAST 16.7 OTHER ELECTRICAL INFRASTRUCTURE** 16.7.1 MARKET OVERVIEW **16.7.2 MARKET SIZE & FORECAST** 

17 MECHANICAL INFRASTRUCTURE
17.1 MARKET SNAPSHOT & GROWTH ENGINE
17.2 COOLING SYSTEMS
17.2.1 MARKET OVERVIEW
17.2.2 MARKET SIZE & FORECAST
17.3 RACKS
17.3.1 MARKET OVERVIEW
17.3.2 MARKET SIZE & FORECAST
17.4 OTHER MECHANICAL INFRASTRUCTURE
17.4.1 MARKET OVERVIEW
17.4.2 MARKET SIZE & FORECAST

**18 COOLING SYSTEMS** 

**18.1 MARKET SNAPSHOT & GROWTH ENGINE** 18.2 CRAC & CRAH UNITS **18.2.1 MARKET OVERVIEW** 18.2.2 MARKET SIZE & FORECAST **18.3 CHILLER UNITS 18.3.1 MARKET OVERVIEW 18.3.2 MARKET SIZE & FORECAST** 18.4 COOLING TOWERS, CONDENSERS & DRY COOLERS **18.4.1 MARKET OVERVIEW 18.4.2 MARKET SIZE & FORECAST 18.5 ECONOMIZERS & EVAPORATIVE COOLERS 18.5.1 MARKET OVERVIEW 18.5.2 MARKET SIZE & FORECAST 18.6 OTHER COOLING UNITS 18.6.1 MARKET OVERVIEW** 18.6.2 MARKET SIZE & FORECAST

19 COOLING TECHNIQUE 19.1 MARKET SNAPSHOT & GROWTH ENGINE 19.2 AIR-BASED COOLING 19.2.1 MARKET OVERVIEW 19.2.2 MARKET SIZE & FORECAST 19.3 LIQUID-BASED COOLING 19.3.1 MARKET OVERVIEW 19.3.2 MARKET SIZE & FORECAST

**20 GENERAL CONSTRUCTION** 20.1 MARKET SNAPSHOT & GROWTH ENGINE 20.2 CORE & SHELL DEVELOPMENT 20.2.1 MARKET OVERVIEW 20.2.2 MARKET SIZE & FORECAST 20.3 INSTALLATION & COMMISSIONING SERVICES 20.3.1 MARKET OVERVIEW 20.3.2 MARKET SIZE & FORECAST 20.4 ENGINEERING & BUILDING DESIGN 20.4.1 MARKET OVERVIEW 20.4.2 MARKET SIZE & FORECAST 20.5 PHYSICAL SECURITY 20.5.1 MARKET OVERVIEW 20.5.2 MARKET SIZE & FORECAST 20.6 FIRE DETECTION & SUPPRESSION 20.6.1 MARKET OVERVIEW 20.6.2 MARKET SIZE & FORECAST 20.7 DCIM/BMS SOLUTIONS 20.7.1 MARKET OVERVIEW 20.7.2 MARKET SIZE & FORECAST

**21 TIER STANDARDS** 21.1 MARKET SNAPSHOT & GROWTH ENGINE **21.2 OVERVIEW OF TIER STANDARDS** 21.3 TIER | & II 21.3.1 MARKET OVERVIEW 21.3.2 MARKET SIZE & FORECAST 21.4 TIER III 21.4.1 MARKET OVERVIEW 21.4.2 MARKET SIZE & FORECAST 21.5 TIER IV 21.5.1 MARKET OVERVIEW 21.5.2 MARKET SIZE & FORECAST 22 GEOGRAPHY 22.1 INVESTMENT: MARKET SNAPSHOT & GROWTH ENGINE 22.1 AREA: MARKET SNAPSHOT & GROWTH ENGINE 22.2 POWER CAPACITY: MARKET SNAPSHOT & GROWTH ENGINE 23 WESTERN US 23.1 MARKET SNAPSHOT & GROWTH ENGINE 23.2 MARKET OVERVIEW 23.3 INVESTMENT: MARKET SIZE & FORECAST 23.3.1 DATA CENTER INVESTMENTS IN WESTERN US 23.4 AREA: MARKET SIZE & FORECAST 23.5 ELECTRICITY PRICING IN WESTERN US 23.6 POWER CAPACITY: MARKET SIZE & FORECAST 23.7 MARKET BY INFRASTRUCTURE 23.7.1 ELECTRICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 23.7.2 MECHANICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 23.7.3 GENERAL CONSTRUCTION: MARKET SIZE & FORECAST 24 SOUTHEASTERN US 24.1 MARKET SNAPSHOT & GROWTH ENGINE 24.2 MARKET OVERVIEW 24.3 INVESTMENT: MARKET SIZE & FORECAST 24.3.1 DATA CENTER INVESTMENTS IN SOUTHEASTERN US 24.4 AREA: MARKET SIZE & FORECAST 24.5 ELECTRICITY PRICING 24.6 POWER CAPACITY: MARKET SIZE & FORECAST 24.7 MARKET BY INFRASTRUCTURE 24.7.1 ELECTRICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 24.7.2 MECHANICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 24.7.3 GENERAL CONSTRUCTION: MARKET SIZE & FORECAST **25 MIDWESTERN US** 

25.1 MARKET SNAPSHOT & GROWTH ENGINE 25.2 MARKET OVERVIEW

25.3 INVESTMENT: MARKET SIZE & FORECAST 25.3.1 DATA CENTER INVESTMENTS IN MIDWESTERN US 25.4 AREA: MARKET SIZE & FORECAST 25.5 ELECTRICITY PRICING IN MIDWESTERN US 25.6 POWER CAPACITY: MARKET SIZE & FORECAST 25.7 MARKET BY INFRASTRUCTURE 25.7.1 ELECTRICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 25.7.2 MECHANICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 25.7.3 GENERAL CONSTRUCTION: MARKET SIZE & FORECAST **26 SOUTHWESTERN US** 26.1 MARKET SNAPSHOT & GROWTH ENGINE 26.2 MARKET OVERVIEW 26.3 INVESTMENT: MARKET SIZE & FORECAST 26.3.1 DATA CENTER INVESTMENTS IN SOUTHWESTERN US 26.4 AREA: MARKET SIZE & FORECAST 26.5 ELECTRICITY PRICING IN SOUTHWESTERN US 26.6 POWER CAPACITY: MARKET SIZE & FORECAST **26.7 MARKET BY INFRASTRUCTURE** 26.7.1 ELECTRICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 26.7.2 MECHANICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 26.7.3 GENERAL CONSTRUCTION: MARKET SIZE & FORECAST **27 NORTHEASTERN US** 27.1 MARKET SNAPSHOT & GROWTH ENGINE 27.2 MARKET OVERVIEW 27.3 INVESTMENT: MARKET SIZE & FORECAST 27.3.1 DATA CENTER INVESTMENTS IN NORTHEASTERN US 27.4 AREA: MARKET SIZE & FORECAST 27.5 ELECTRICITY PRICING IN NORTHEASTERN US 27.6 POWER CAPACITY: MARKET SIZE & FORECAST 27.7 MARKET BY INFRASTRUCTURE

27.7.1 ELECTRICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 27.7.2 MECHANICAL INFRASTRUCTURE: MARKET SIZE & FORECAST

27.7.3 GENERAL CONSTRUCTION: MARKET SIZE & FORECAST

28 COMPETITIVE LANDSCAPE 28.1 ELECTRICAL INFRASTRUCTURE 28.2 MECHANICAL INFRASTRUCTURE 28.3 GENERAL CONSTRUCTION 28.4 DATA CENTER INVESTORS

29 KEY DATA CENTER SUPPORT INFRASTRUCTURE PROVIDERS 29.1 ABB 29.1.1 BUSINESS OVERVIEW 29.1.2 PRODUCT OFFERINGS 29.2 CATERPILLAR

29.2.1 BUSINESS OVERVIEW 29.2.2 PRODUCT OFFERINGS 29.3 CUMMINS 29.3.1 BUSINESS OVERVIEW 29.3.2 PRODUCT OFFERINGS **29.4 DELTA ELECTRONICS** 29.4.1 BUSINESS OVERVIEW 29.4.2 PRODUCT OFFERINGS 29.5 EATON 29.5.1 BUSINESS OVERVIEW 29.5.2 PRODUCT OFFERINGS 29.6 LEGRAND 29.6.1 BUSINESS OVERVIEW 29.6.2 PRODUCT OFFERINGS 29.7 ROLLS-ROYCE 29.7.1 BUSINESS OVERVIEW 29.7.2 PRODUCT OFFERINGS 29.8 SCHNEIDER ELECTRIC 29.8.1 BUSINESS OVERVIEW 29.8.2 PRODUCT OFFERINGS 29.8.3 KEY NEWS 29.9 STULZ 29.9.1 BUSINESS OVERVIEW 29.9.2 PRODUCT OFFERINGS 29.10 VERTIV 29.10.1 BUSINESS OVERVIEW 29.10.2 PRODUCT OFFERINGS **30 KEY DATA CENTER CONTRACTORS** 30.1 AECOM 30.1.1 BUSINESS OVERVIEW 30.1.2 SERVICE OFFERINGS 30.2 ARUP 30.2.1 BUSINESS OVERVIEW **30.2.2 SERVICE OFFERINGS** 30.3 BLACK & VEATCH 30.3.1 BUSINESS OVERVIEW **30.3.2 SERVICE OFFERINGS** 30.4 CORGAN 30.4.1 BUSINESS OVERVIEW **30.4.2 SERVICE OFFERINGS 30.5 DPR CONSTRUCTION** 30.5.1 BUSINESS OVERVIEW **30.5.2 SERVICE OFFERINGS 30.6 FORTIS CONSTRUCTION** 30.6.1 BUSINESS OVERVIEW

Scotts International. EU Vat number: PL 6772247784 tel. 0048 603 394 346 e-mail: support@scotts-international.com

**30.6.2 SERVICES OFFERINGS** 

www.scotts-international.com

30.7 HED 30.7.1 BUSINESS OVERVIEW **30.7.2 SERVICES OFFERINGS 30.8 HOLDER CONSTRUCTION** 30.8.1 BUSINESS OVERVIEW **30.8.2 SERVICE OFFERINGS 30.9 JACOBS** 30.9.1 BUSINESS OVERVIEW **30.9.2 SERVICE OFFERINGS** 30.10 ROGERS-O?BRIEN CONSTRUCTION 30.10.1 BUSINESS OVERVIEW **30.10.2 SERVICE OFFERINGS** 30.11 SYSKA HENNESSY GROUP 30.11.1 BUSINESS OVERVIEW 30.11.2 SERVICE OFFERINGS **30.12 TURNER CONSTRUCTION** 30.12.1 BUSINESS OVERVIEW 30.12.2 SERVICE OFFERINGS **31 KEY DATA CENTER INVESTORS** 31.1 APPLE **31.1.1 BUSINESS OVERVIEW 31.1.2 SERVICE OFFERINGS** 31.1.3 KEY NEWS 31.2 AMAZON WEB SERVICES (AWS) **31.2.1 BUSINESS OVERVIEW 31.2.2 SERVICE OFFERINGS** 31.2.3 KEY NEWS 31.3 CYRUSONE **31.3.1 BUSINESS OVERVIEW 31.3.2 SERVICE OFFERINGS** 31.3.3 KEY NEWS 31.4 DATABANK **31.4.1 BUSINESS OVERVIEW 31.4.2 SERVICE OFFERINGS** 31.4.3 KEY NEWS **31.5 DIGITAL REALTY 31.5.1 BUSINESS OVERVIEW 31.5.2 SERVICE OFFERINGS** 31.5.3 KEY NEWS 31.6 EQUINIX **31.6.1 BUSINESS OVERVIEW 31.6.2 SERVICE OFFERINGS** 31.6.3 KEY NEWS 31.7 FACEBOOK (META) **31.7.1 BUSINESS OVERVIEW 31.7.2 SERVICE OFFERINGS** 

31.8 GOOGLE **31.8.1 BUSINESS OVERVIEW 31.8.2 SERVICE OFFERINGS** 31.8.3 KEY NEWS 31.9 MICROSOFT **31.9.1 BUSINESS OVERVIEW 31.9.2 SERVICE OFFERINGS** 31.9.3 KEY NEWS 31.10 NTT GLOBAL DATA CENTERS 31.10.1 BUSINESS OVERVIEW **31.10.2 SERVICE OFFERINGS** 31.10.3 KEY NEWS 32 OTHER PROMINENT SUPPORT INFRASTRUCTURE PROVIDERS 32.1 AIREDALE INTERNATIONAL AIR CONDITIONING 32.1.1 BUSINESS OVERVIEW 32.1.2 PRODUCT OFFERINGS 32.2 ALFA LAVAL 32.2.1 BUSINESS OVERVIEW 32.2.2 PRODUCT OFFERINGS 32.3 ASETEK 32.3.1 BUSINESS OVERVIEW 32.3.2 PRODUCT OFFERINGS 32.4 BLOOM ENERGY 32.4.1 BUSINESS OVERVIEW 32.4.2 PRODUCT OFFERINGS 32.5 CARRIER 32.5.1 BUSINESS OVERVIEW 32.5.2 PRODUCT OFFERINGS 32.6 CONDAIR 32.6.1 BUSINESS OVERVIEW 32.6.2 PRODUCT OFFERINGS 32.7 CORMANT 32.7.1 BUSINESS OVERVIEW 32.7.2 PRODUCT OFFERINGS 32.8 CYBER POWER SYSTEMS 32.8.1 BUSINESS OVERVIEW 32.8.2 PRODUCT OFFERINGS 32.9 DATA AIRE 32.9.1 BUSINESS OVERVIEW 32.9.2 PRODUCT OFFERINGS 32.10 ENLOGIC 32.10.1 BUSINESS OVERVIEW 32.10.2 PRODUCT OFFERINGS 32.11 FNT SOFTWARE 32.11.1 BUSINESS OVERVIEW

31.7.3 KEY NEWS

32.11.2 PRODUCT OFFERINGS 32.12 GENERAC POWER SYSTEMS 32.12.1 BUSINESS OVERVIEW 32.12.2 PRODUCT OFFERINGS 32.13 GREEN REVOLUTION COOLING (GRC) 32.13.1 BUSINESS OVERVIEW 32.13.2 PRODUCT OFFERINGS 32.14 HITEC POWER PROTECTION 32.14.1 BUSINESS OVERVIEW 32.14.2 PRODUCT OFFERINGS 32.15 JOHNSON CONTROLS 32.15.1 BUSINESS OVERVIEW 32.15.2 PRODUCT OFFERINGS 32.16 KOHLER 32.16.1 BUSINESS OVERVIEW 32.16.2 PRODUCT OFFERINGS 32.17 KYOTOCOOLING 32.17.1 BUSINESS OVERVIEW 32.17.2 PRODUCT OFFERINGS 32.18 MITSUBISHI ELECTRIC 32.18.1 BUSINESS OVERVIEW 32.18.2 PRODUCT OFFERINGS 32.19 NATRON ENERGY 32.19.1 BUSINESS OVERVIEW 32.19.2 PRODUCT OFFERINGS 32.20 NETZOOM 32.20.1 BUSINESS OVERVIEW 32.20.2 PRODUCT OFFERINGS 32.21 NLYTE SOFTWARE (CARRIER) 32.21.1 BUSINESS OVERVIEW 32.21.2 PRODUCT OFFERINGS 32.22 RITTAL 32.22.1 BUSINESS OVERVIEW 32.22.2 PRODUCT OFFERINGS 32.23 SIEMENS 32.23.1 BUSINESS OVERVIEW 32.23.2 PRODUCT OFFERINGS 32.24 TRANE (INGERSOLL RAND) 32.24.1 BUSINESS OVERVIEW 32.24.2 PRODUCT OFFERINGS 32.25 TRIPP LITE 32.25.1 BUSINESS OVERVIEW 32.25.2 PRODUCT OFFERINGS 32.26 YANMAR (HIMOINSA) 32.26.1 BUSINESS OVERVIEW 32.26.2 PRODUCT OFFERINGS 32.27 ZINCFIVE

# 32.27.1 BUSINESS OVERVIEW 32.27.2 PRODUCT OFFERINGS

**33 OTHER PROMINENT CONSTRUCTION CONTRACTORS** 33.1 ALFATECH 33.1.1 BUSINESS OVERVIEW 33.1.2 SERVICE OFFERINGS 33.2 BLUESCOPE CONSTRUCTION 33.2.1 BUSINESS OVERVIEW 33.2.2 SERVICE OFFERINGS 33.3 BURNS & MCDONNELL 33.3.1 BUSINESS OVERVIEW 33.3.2 SERVICE OFFERINGS 33.4 CALLISONRTKL 33.4.1 BUSINESS OVERVIEW 33.4.2 SERVICE OFFERINGS 33.5 CLUNE CONSTRUCTION 33.5.1 BUSINESS OVERVIEW 33.5.2 SERVICE OFFERINGS 33.6 EMCOR GROUP 33.6.1 BUSINESS OVERVIEW 33.6.2 SERVICE OFFERINGS 33.7 FYP MCF 33.7.1 BUSINESS OVERVIEW 33.7.2 SERVICE OFFERINGS 33.8 GENSLER 33.8.1 BUSINESS OVERVIEW 33.8.2 SERVICE OFFERINGS 33.9 FLUOR CORPORATION 33.9.1 BUSINESS OVERVIEW 33.9.2 SERVICE OFFERINGS 33.10 GILBANE BUILDING COMPANY 33.10.1 BUSINESS OVERVIEW 33.10.2 SERVICE OFFERINGS 33.11 HDR 33.11.1 BUSINESS OVERVIEW 33.11.2 SERVICE OFFERINGS 33.12 HITT CONTRACTING 33.12.1 BUSINESS OVERVIEW 33.12.2 SERVICE OFFERINGS 33.13 HOFFMAN CONSTRUCTION 33.13.1 BUSINESS OVERVIEW 33.13.2 SERVICE OFFERINGS 33.14 JE DUNN CONSTRUCTION 33.14.1 BUSINESS OVERVIEW 33.14.2 SERVICE OFFERINGS 33.15 LINESIGHT

33.15.1 BUSINESS OVERVIEW 33.15.2 SERVICE OFFERINGS 33.16 M+W GROUP (EXYTE) 33.16.1 BUSINESS OVERVIEW 33.16.2 SERVICE OFFERINGS 33.17 MORRISON HERSHFIELD 33.17.1 BUSINESS OVERVIEW 33.17.2 SERVICE OFFERINGS 33.18 MORTENSON 33.18.1 BUSINESS OVERVIEW 33.18.2 SERVICE OFFERINGS 33.19 SHEEHAN NAGLE HARTRAY ARCHITECTS 33.19.1 BUSINESS OVERVIEW 33.19.2 SERVICE OFFERINGS **33.20 STRUCTURE TONE** 33.20.1 BUSINESS OVERVIEW 33.20.2 SERVICE OFFERINGS 33.21 THE MULHERN GROUP 33.21.1 BUSINESS OVERVIEW 33.21.2 SERVICE OFFERINGS 33.22 THE WALSH GROUP 33.22.1 BUSINESS OVERVIEW 33.22.2 SERVICE OFFERINGS 33.23 THE WEITZ COMPANY 33.23.1 BUSINESS OVERVIEW 33.23.2 SERVICE OFFERINGS 33.24 TINDALL 33.24.1 BUSINESS OVERVIEW 33.24.2 SERVICE OFFERINGS 34 OTHER PROMINENT DATA CENTER INVESTORS

34.1 ALIGNED DATA CENTERS 34.1.1 BUSINESS OVERVIEW 34.1.2 SERVICE OFFERINGS 34.1.3 KEY NEWS 34.2 AMERICAN TOWER 34.2.1 BUSINESS OVERVIEW 34.2.2 SERVICE OFFERINGS 34.2.3 KEY NEWS 34.3 CLOUDHO 34.3.1 BUSINESS OVERVIEW 34.3.2 SERVICE OFFERINGS 34.4 COLOGIX 34.4.1 BUSINESS OVERVIEW 34.4.2 SERVICE OFFERINGS 34.4.3 KEY NEWS 34.5 COMPASS DATACENTERS

34.5.1 BUSINESS OVERVIEW 34.5.2 SERVICE OFFERINGS 34.6 COPT DATA CENTER SOLUTIONS 34.6.1 BUSINESS OVERVIEW 34.6.2 SERVICE OFFERINGS 34.6.3 KEY NEWS 34.7 CORESITE REALTY 34.7.1 BUSINESS OVERVIEW 34.7.2 SERVICE OFFERINGS 34.7.3 KEY NEWS 34.8 CYXTERA TECHNOLOGIES 34.8.1 BUSINESS OVERVIEW 34.8.2 SERVICE OFFERINGS 34.8.3 KEY NEWS 34.9 DARTPOINTS 34.9.1 BUSINESS OVERVIEW 34.9.2 SERVICE OFFERINGS 34.10 DC BLOX 34.10.1 BUSINESS OVERVIEW 34.10.2 SERVICE OFFERINGS 34.10.3 KEY NEWS 34.11 EDGECORE INTERNET REAL ESTATE 34.11.1 BUSINESS OVERVIEW 34.11.2 SERVICE OFFERINGS 34.12 EDGECONNEX 34.12.1 BUSINESS OVERVIEW 34.12.2 SERVICE OFFERINGS 34.12.3 KEY NEWS 34.13 EDGEPRESENCE 34.13.1 BUSINESS OVERVIEW 34.13.2 SERVICE OFFERINGS 34.14 ELEMENT CRITICAL 34.14.1 BUSINESS OVERVIEW 34.14.2 SERVICE OFFERINGS 34.14.3 KEY NEWS 34.15 FLEXENTIAL 34.15.1 BUSINESS OVERVIEW 34.15.2 SERVICE OFFERINGS 34.15.3 KEY NEWS 34.16 FIFTEENFORTYSEVEN CRITICAL SYSTEMS REALTY 34.16.1 BUSINESS OVERVIEW 34.16.2 SERVICE OFFERINGS 34.16.3 KEY NEWS 34.17 GIGA DATA CENTERS 34.17.1 BUSINESS OVERVIEW 34.17.2 SERVICE OFFERINGS 34.18 HOSTDIME

34.18.1 BUSINESS OVERVIEW 34.18.2 SERVICE OFFERINGS 34.18.3 KEY NEWS 34.19 IRON MOUNTAIN 34.19.1 BUSINESS OVERVIEW 34.19.2 SERVICE OFFERINGS 34.19.3 KEY NEWS 34.20 PRIME DATA CENTERS 34.20.1 BUSINESS OVERVIEW 34.20.2 SERVICE OFFERINGS 34.20.3 KEY NEWS 34.21 QTS REALTY TRUST 34.21.1 BUSINESS OVERVIEW 34.21.2 SERVICE OFFERINGS 34.21.3 KEY NEWS 34.22 SABEY DATA CENTER 34.22.1 BUSINESS OVERVIEW 34.22.2 SERVICE OFFERINGS 34.23 SKYBOX DATACENTERS 34.23.1 BUSINESS OVERVIEW 34.23.2 SERVICE OFFERINGS 34.23.3 KEY NEWS 34.24 STREAM DATA CENTERS 34.24.1 BUSINESS OVERVIEW 34.24.2 SERVICE OFFERINGS 34.25 STACK INFRASTRUCTURE 34.25.1 BUSINESS OVERVIEW 34.25.2 SERVICE OFFERINGS 34.25.3 KEY NEWS 34.26 SWITCH 34.26.1 BUSINESS OVERVIEW 34.26.2 SERVICE OFFERINGS 34.26.3 KEY NEWS 34.27 T5 DATA CENTERS 34.27.1 BUSINESS OVERVIEW 34.27.2 SERVICE OFFERINGS 34.28 VANTAGE DATA CENTERS 34.28.1 BUSINESS OVERVIEW 34.28.2 SERVICE OFFERINGS 34.28.3 KEY NEWS 34.29 VAPOR IO 34.29.1 BUSINESS OVERVIEW 34.29.2 SERVICE OFFERINGS

35 NEW ENTRANTS 35.1 AUBIX 35.1.1 BUSINESS OVERVIEW

35.1.2 SERVICE OFFERINGS 35.1.3 KEY NEWS 35.2 CIRRUS DATA SOLUTIONS 35.2.1 BUSINESS OVERVIEW 35.2.2 SERVICE OFFERINGS 35.3 DASTOR 35.3.1 BUSINESS OVERVIEW 35.3.2 SERVICE OFFERINGS **35.4 EDGEX DATA CENTERS** 35.4.1 BUSINESS OVERVIEW 35.4.2 SERVICE OFFERINGS 35.5 NOVVA 35.5.1 BUSINESS OVERVIEW 35.5.2 SERVICE OFFERINGS 35.5.3 KEY NEWS **35.6 POINTONE** 35.6.1 BUSINESS OVERVIEW 35.6.2 SERVICE OFFERINGS 35.7 QUANTUM LOOPHOLE 35.7.1 BUSINESS OVERVIEW 35.7.2 SERVICE OFFERINGS **35.8 YONDR** 35.8.1 BUSINESS OVERVIEW 35.8.2 SERVICE OFFERINGS 35.8.3 KEY NEWS

36 REPORT SUMMARY 36.1 KEY TAKEAWAYS

**37 OUANTITATIVE SUMMARY 37.1 US DATA CENTER CONSTRUCTION MARKET** 37.1.1 INVESTMENT: MARKET SIZE & FORECAST **37.1.2 INFRASTRUCTURE: MARKET SIZE & FORECAST** 37.1.3 CONSTRUCTION TYPE: MARKET SIZE & FORECAST 37.1.4 ELECTRICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 37.1.5 MECHANICAL INFRASTRUCTURE: MARKET SIZE & FORECAST 37.1.6 COOLING SYSTEMS: MARKET SIZE & FORECAST 37.1.7 COOLING TECHNIQUES: MARKET SIZE & FORECAST 37.1.8 GENERAL CONSTRUCTION: MARKET SIZE & FORECAST 37.1.9 TIER STANDARDS: MARKET SIZE & FORECAST 37.1.10 FACILITY TYPE: MARKET SIZE & FORECAST BY INVESTMENT 37.1.11 FACILITY TYPE: MARKET SIZE & FORECAST BY AREA 37.1.12 FACILITY TYPE: MARKET SIZE & FORECAST BY POWER CAPACITY **37.2 GEOGRAPHICAL SEGMENTATION** 37.2.1 INVESTMENT: MARKET SIZE & FORECAST 37.2.2 AREA: MARKET SIZE & FORECAST 37.2.3 POWER CAPACITY: MARKET SIZE & FORECAST

37.3 WESTERN US
37.3.1 INVESTMENT: MARKET SIZE & FORECAST
37.3.2 INFRASTRUCTURE: MARKET SIZE & FORECAST
37.4 SOUTHEASTERN US
37.4.1 INVESTMENT: MARKET SIZE & FORECAST
37.4.2 INFRASTRUCTURE: MARKET SIZE & FORECAST
37.5 MIDWESTERN US
37.5.1 INVESTMENT: MARKET SIZE & FORECAST
37.5.2 INFRASTRUCTURE: MARKET SIZE & FORECAST
37.6 SOUTHWESTERN US
37.6.1 INVESTMENT: MARKET SIZE & FORECAST
37.6.2 INFRASTRUCTURE: MARKET SIZE & FORECAST
37.6.2 INFRASTRUCTURE: MARKET SIZE & FORECAST
37.7 NORTHEASTERN US
37.7.1 INVESTMENT: MARKET SIZE & FORECAST
37.7.2 INFRASTRUCTURE: MARKET SIZE & FORECAST

38 APPENDIX 38.1 ABBREVIATIONS



# U.S. Data Center Construction Market - Industry Outlook & Forecast 2022-2027

Market Report | 2022-09-14 | 467 pages | Arizton Advisory & Intelligence

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

#### **ORDER FORM:**

Select license	License		Price
	Single User License		\$3995.00
	Team License		\$4495.00
	Enterprisewide		\$5495.00
		VAT	
		Total	

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346. []\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	Phone*	
First Name*	Last Name*	
Job title*		
Company Name*	EU Vat / Tax ID / NIP number*	
Address*	City*	
Zip Code*	Country*	
	Date	2025-05-14
	Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com www.scotts-international.com