

Data Center Solutions Market by Offering (Hardware, Software, Services), Data Center Type (Enterprise Data Center, Cloud Data Center, Colocation Data Center), Tier Type, Data Center Size, Vertical and Region - Global Forecast to 2028

Market Report | 2024-01-24 | 361 pages | MarketsandMarkets

AVAILABLE LICENSES:

- Single User \$4950.00
- Multi User \$6650.00
- Corporate License \$8150.00
- Enterprise Site License \$10000.00

Report description:

The data center solutions market is expected to grow from USD 338.8 billion in 2023 to USD 591.7 billion by 2028 at a Compound Annual Growth Rate (CAGR) of 11.8% during the forecast period. The rapid growth of AI and ML workloads and the cloud computing revolution will drive the demand for the data center solutions market. Scalability and flexibility issues are significant challenges for the growth of the data center solutions market.

"As per the hardware, the cooling modules segment is expected to grow at the highest CAGR during the forecast period. " Cooling modules are an integral component within the hardware segment of data center solutions, focused on managing and maintaining optimal operating temperatures for IT equipment. Adequate cooling is crucial for preventing overheating, ensuring hardware reliability, and maximizing the overall efficiency of data center operations. These modules encompass a range of technologies and systems designed to dissipate heat generated by IT infrastructure and maintain a conducive environment for electronic components. One key element of cooling modules is precision air conditioning systems. These systems provide targeted cooling to specific areas within the data center, delivering conditioned air to equipment racks and server aisles. Precision air conditioning allows for precise temperature control, ensuring IT equipment operates within optimal temperature ranges.

"As per data center type, the enterprise data center will hold the largest market share in 2023. "

Enterprise data centers provide complete control over data privacy and security. However, this also means that organizations must implement and maintain all security measures. Building and maintaining an enterprise data center involves significant capital expenditures for land, building construction, equipment, and ongoing operational costs. An onsite data center needs a reliable power supply and cooling system, an extensive network, a security system, and others, which can be tedious to support in-house, especially for SMEs.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

As per region, Europe is anticipated to witness the second-largest market share during the forecast period.

Europe's data center solutions market is marked by a dynamic landscape with increasing demand for advanced, scalable, and energy-efficient infrastructure. As a hub for technological innovation, Europe experiences substantial growth in data center investments to meet the evolving requirements of businesses and consumers. Key countries such as the United Kingdom, Germany, France, and the Netherlands significantly contribute to the region's data center market. Europe is witnessing a shift towards sustainable, green data center practices driven by environmental concerns and regulatory initiatives. There is a growing emphasis on utilizing renewable energy sources and implementing energy-efficient technologies to reduce the environmental impact of data center operations.

The breakup of the profiles of the primary participants is as follows:

-□By Company: Tier I: 30%, Tier II: 45%, and Tier III: 25%

-□By Designation: C-Level Executives: 50%, Director Level: 35%, and Others: 15%

-□By Region: North America: 50%, Europe: 30%, Asia Pacific: 15%, Rest of World: 5%

Note: Others include sales managers, marketing managers, and product managers

Note: The rest of the World consists of the Middle East & Africa, and Latin America

Note: Tier 1 companies have revenues of more than USD 100 million; tier 2 companies' revenue ranges from USD 10 million to USD 100 million; and tier 3 companies' revenue is less than 10 million

Source: Secondary Literature, Expert Interviews, and MarketsandMarkets Analysis

Some of the significant vendors offering data center solutions across the globe include AWS (US), Microsoft (US), Google (US), Equinix (US), Dell (US), Huawei (China), Digital Realty (US), NTT (Japan), KDDI (Japan), and HPE (US), CyrusOne (US), China Telecom (China), Cyxtera Technologies (US), GDS Holdings (China), CoreSite (US), QTS Data Centers (US), 365 Data Centers (US), Alibaba Cloud (China), Oracle (US), Iron Mountain (US), IBM (US), Schneider Electric (France), RackBank Datacenters (India), Liquidstack (US), DartPoints (US), and Hyperview (US).

Research coverage:

The market study covers the data center solutions market across segments. It aims to estimate the market size and the growth potential of this market across different market segments, such as offering, data center type, data center size, tier type, vertical, and region. It includes an in-depth competitive analysis of the key players in the market, their company profiles, key observations related to product and business offerings, recent developments, and key market strategies.

Reasons to buy this report:

The report will help the market leaders/new entrants with information on the closest approximations of the revenue numbers for the overall data center solutions market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the market pulse and provides information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

-□Analysis of critical Drivers (Cloud computing revolution, Increasing edge computing trends, Data explosion and analytics, Rapid growth of AI and ML workloads, Expansion of data center capacity, Increasing sustainability and green initiatives); Restraints (High initial investments, Complexity of implementation); Opportunities (Emergence of Generative AI, Growing demand for Edge Data Center-as-a-Service, Increasing demand for hybrid and multi-cloud deployments); and Challenges (Rapid technological advancements, Scalability and flexibility complexities, Security concerns) influencing the growth of the data center solutions market.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

-□Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the data center solutions market.

-□Market Development: Comprehensive information about lucrative markets - the report analyses the data center solutions market across varied regions.

-□Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the data center solutions market.

-□Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like AWS (US), Microsoft (US), Google (US), Equinix (US), and Dell (US), among others, in the data center solutions market.

Table of Contents:

1	INTRODUCTION	33
1.1	STUDY OBJECTIVES	33
1.2	MARKET DEFINITION	33
1.2.1	INCLUSIONS AND EXCLUSIONS	34
1.3	MARKET SCOPE	34
1.3.1	MARKET SEGMENTATION	35
1.3.2	REGIONS COVERED	35
1.3.3	YEARS CONSIDERED	36
1.4	CURRENCY CONSIDERED	36
TABLE 1	USD EXCHANGE RATES, 2018-2022	36
1.5	STAKEHOLDERS	37
1.6	SUMMARY OF CHANGES	37
1.6.1	RECESSION IMPACT	38
2	RESEARCH METHODOLOGY	39
2.1	RESEARCH APPROACH	39
FIGURE 1	DATA CENTER SOLUTIONS MARKET: RESEARCH DESIGN	40
2.1.1	SECONDARY DATA	40
2.1.2	PRIMARY DATA	41
2.1.2.1	Breakup of primary interviews	42
2.1.2.2	Key industry insights	42
2.2	MARKET BREAKUP AND DATA TRIANGULATION	43
FIGURE 2	DATA CENTER SOLUTIONS MARKET: MARKET BREAKUP AND DATA TRIANGULATION	43
2.3	MARKET SIZE ESTIMATION	44
FIGURE 3	DATA CENTER SOLUTIONS MARKET: TOP-DOWN AND BOTTOM-UP APPROACHES	44
2.3.1	TOP-DOWN APPROACH	45
FIGURE 4	MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH	45
2.3.2	BOTTOM-UP APPROACH	45
FIGURE 5	MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH	46
FIGURE 6	DATA CENTER SOLUTIONS MARKET: RESEARCH FLOW	46
2.3.3	MARKET ESTIMATION APPROACHES	47
FIGURE 7	MARKET SIZE ESTIMATION METHODOLOGY: SUPPLY-SIDE ANALYSIS	47
FIGURE 8	MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH FROM SUPPLY SIDE - COLLECTIVE REVENUE OF VENDORS	47
FIGURE 9	BOTTOM-UP APPROACH FROM SUPPLY SIDE: COLLECTIVE REVENUE OF VENDORS	48

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

FIGURE 10	DEMAND-SIDE APPROACH: DATA CENTER SOLUTIONS MARKET	48
2.4	MARKET FORECAST	49
TABLE 2	FACTOR ANALYSIS	49
2.5	RECESSION IMPACT ON DATA CENTER SOLUTIONS MARKET	50
2.6	RESEARCH ASSUMPTIONS	51
2.7	RESEARCH LIMITATIONS	53
3	EXECUTIVE SUMMARY	54
TABLE 3	DATA CENTER SOLUTIONS MARKET SIZE AND GROWTH, 2018-2022 (USD MILLION, Y-O-Y %)	55
TABLE 4	DATA CENTER SOLUTIONS MARKET SIZE AND GROWTH, 2023-2028 (USD MILLION, Y-O-Y %)	55
FIGURE 11	GLOBAL DATA CENTER SOLUTIONS MARKET TO WITNESS SIGNIFICANT GROWTH	55
3.1	OVERVIEW OF RECESSION IMPACT	56
FIGURE 12	NORTH AMERICA ACCOUNTED FOR LARGEST MARKET SHARE IN 2023	56
FIGURE 13	FASTEST-GROWING SEGMENTS OF DATA CENTER SOLUTIONS MARKET	57
4	PREMIUM INSIGHTS	59
4.1	ATTRACTIVE GROWTH OPPORTUNITIES FOR PLAYERS IN DATA CENTER SOLUTIONS MARKET	59
FIGURE 14	ACCELERATING DEMAND FOR DIGITAL TRANSFORMATION AND CLOUD SERVICES TO DRIVE MARKET	59
4.2	DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023 VS. 2028	59
FIGURE 15	HARDWARE SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD	59
4.3	DATA CENTER SOLUTIONS MARKET, BY DATA CENTER TYPE, 2023 VS. 2028	60
FIGURE 16	ENTERPRISE DATA CENTERS SEGMENT ACCOUNTED FOR LARGEST MARKET SHARE IN 2023	60
4.4	DATA CENTER SOLUTIONS MARKET, BY TIER TYPE, 2023 VS. 2028	60
FIGURE 17	TIER 4 SEGMENT ACCOUNTED FOR LARGEST MARKET SHARE IN 2023	60
4.5	DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023 VS. 2028	61
FIGURE 18	LARGE DATA CENTERS SEGMENT ACCOUNTED FOR LARGEST MARKET SHARE IN 2023	61
4.6	DATA CENTER SOLUTIONS MARKET, BY VERTICAL, 2023 VS. 2028	61
FIGURE 19	BFSI SEGMENT TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD	61
4.7	DATA CENTER SOLUTIONS MARKET: REGIONAL SCENARIO, 2023-2028	62
FIGURE 20	ASIA PACIFIC TO EMERGE AS KEY MARKET FOR INVESTMENT IN NEXT 5 YEARS	62
5	MARKET OVERVIEW AND INDUSTRY TRENDS	63
5.1	INTRODUCTION	63
5.2	MARKET DYNAMICS	63
FIGURE 21	DATA CENTER SOLUTIONS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES	63
5.2.1	DRIVERS	63
5.2.1.1	Cloud computing revolution	63
FIGURE 22	DATA CENTER ESTABLISHMENTS FACILITATING CLOUD GROWTH	64
5.2.1.2	Increasing edge computing trends	64
5.2.1.3	Data explosion and analytics	65
5.2.1.4	Rapid growth of AI and ML workloads	65
FIGURE 23	AI AND ML ADOPTION DRIVERS	66
5.2.1.5	Expansion of data center capacity	66
5.2.1.6	Increasing sustainability and green initiatives	66
FIGURE 24	RENEWABLES AND IMPROVED DATA CENTER COOLING AMONG TOP DRIVERS FOR SUSTAINABILITY GAINS	67
5.2.2	RESTRAINTS	67
5.2.2.1	High initial investments	67
5.2.2.2	Complexity of implementation	67
5.2.3	OPPORTUNITIES	68
5.2.3.1	Emergence of generative AI	68

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 5.2.3.2 Data center expansion in developing regions 68
- 5.2.3.3 Growing demand for edge data center-as-a-service 69
- 5.2.3.4 Increasing demand for hybrid and multi-cloud deployments 69
- 5.2.4 CHALLENGES 70
 - 5.2.4.1 Rapid technological advancements 70
 - 5.2.4.2 Scalability and flexibility complexities 70
 - 5.2.4.3 Security concerns 71
- 5.3 CASE STUDY ANALYSIS 71
 - 5.3.1 CASE STUDY 1: MICROSOFT CHOSE IMMERSION COOLING TECH BY LIQUIDSTACK FOR ITS CLOUD SERVERS 71
 - 5.3.2 CASE STUDY 2: CHINA MOBILE INTERNATIONAL DEPLOYED LOCAL DATA CENTER TO SCALE JAPANESE MARKET 72
 - 5.3.3 CASE STUDY 3: STEWART ENGINEERED CONTINUOUS UPTIME BY DEPLOYING EATON'S PRODUCTS 72
 - 5.3.4 CASE STUDY 4: THYSSENKRUPP STEEL EXPANDED IT INFRASTRUCTURE WITH RITTAL'S EDGE DATA CENTERS 73
 - 5.3.5 CASE STUDY 5: CAREERBRAIN FULFILLED REQUISITE COMPETITIVE CUSTOMER SERVICE DEMANDS WITH FUJITSU PRODUCTS 73
 - 5.3.6 CASE STUDY 6: VOLKSWAGEN VIRTUALIZED SERVER FOR LOWER COST AND IMPROVED PERFORMANCE THROUGH FUJITSU 74
- 5.4 SUPPLY CHAIN ANALYSIS 74
 - FIGURE 25 DATA CENTER SOLUTIONS MARKET: SUPPLY CHAIN ANALYSIS 74
 - 5.5 ECOSYSTEM ANALYSIS 76
 - FIGURE 26 DATA CENTER SOLUTIONS MARKET ECOSYSTEM ANALYSIS 76
 - 5.6 TECHNOLOGICAL ANALYSIS 77
 - 5.6.1 KEY TECHNOLOGIES 77
 - 5.6.1.1 Cloud 77
 - 5.6.1.2 Virtualization 77
 - 5.6.2 COMPLEMENTARY TECHNOLOGIES 77
 - 5.6.2.1 IoT 77
 - 5.6.2.2 Cybersecurity 78
 - 5.6.2.3 Containerization 78
 - 5.6.3 ADJACENT TECHNOLOGIES 79
 - 5.6.3.1 AI/ML 79
 - 5.6.3.2 Edge computing 79
 - 5.6.3.3 5G 79
 - 5.7 PRICING ANALYSIS 80
 - 5.7.1 AVERAGE SELLING PRICE (ASP) TREND OF KEY PLAYERS, BY SOLUTION 80
 - FIGURE 27 AVERAGE SELLING PRICE TREND OF KEY PLAYERS, BY SOLUTION (USD MILLION/MONTH) 81
 - 5.7.2 INDICATIVE PRICING ANALYSIS OF DATA CENTER SOLUTIONS 82
 - TABLE 5 INDICATIVE PRICING ANALYSIS OF DATA CENTER SOLUTION VENDORS 82
 - TABLE 6 INDICATIVE PRICING ANALYSIS OF DATA CENTER RACK VENDORS 82
 - 5.8 PATENT ANALYSIS 83
 - FIGURE 28 NUMBER OF PATENTS PUBLISHED, 2012-2022 83
 - FIGURE 29 TOP 5 PATENT OWNERS (GLOBAL) 84
 - TABLE 7 TOP 10 PATENT APPLICANTS (US) 84
 - 5.9 PORTER'S FIVE FORCES ANALYSIS 85
 - FIGURE 30 DATA CENTER SOLUTIONS MARKET: PORTER'S FIVE FORCES ANALYSIS 85
 - TABLE 8 DATA CENTER SOLUTIONS MARKET: PORTER'S FIVE FORCES ANALYSIS 85
 - 5.9.1 THREAT OF NEW ENTRANTS 86
 - 5.9.2 THREAT OF SUBSTITUTES 86
 - 5.9.3 BARGAINING POWER OF BUYERS 86

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

5.9.4	BARGAINING POWER OF SUPPLIERS	86
5.9.5	INTENSITY OF COMPETITIVE RIVALRY	86
5.10	REGULATORY LANDSCAPE	87
5.10.1	REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	87
TABLE 9	NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	87
TABLE 10	EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	87
TABLE 11	ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	88
TABLE 12	REST OF THE WORLD: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS	89
5.10.2	REGULATIONS, BY REGION	90
5.10.2.1	North America	90
5.10.2.2	Europe	90
5.10.2.3	Asia Pacific	91
5.10.2.4	Middle East & Africa	91
5.10.2.5	Latin America	91
5.11	TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS	92
FIGURE 31	DATA CENTER SOLUTIONS MARKET: TRENDS AND DISRUPTIONS IMPACTING CUSTOMER BUSINESS	92
5.12	KEY STAKEHOLDERS AND BUYING CRITERIA	92
5.12.1	KEY STAKEHOLDERS IN BUYING PROCESS	92
FIGURE 32	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR VERTICALS	93
TABLE 13	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR VERTICALS (%)	93
5.12.2	BUYING CRITERIA	93
FIGURE 33	KEY BUYING CRITERIA FOR VERTICALS	93
TABLE 14	KEY BUYING CRITERIA FOR VERTICALS	94
5.13	BUSINESS MODEL ANALYSIS	94
FIGURE 34	DATA CENTER SOLUTIONS MARKET: BUSINESS MODELS	94
5.14	KEY CONFERENCES AND EVENTS IN 2024	96
TABLE 15	DATA CENTER SOLUTIONS MARKET: LIST OF KEY CONFERENCES AND EVENTS, 2024	96
5.15	TRADE ANALYSIS	97
TABLE 16	IMPORT DATA, BY COUNTRY, 2018-2022 (USD MILLION)	97
FIGURE 35	IMPORT DATA, BY COUNTRY, 2018-2022 (USD MILLION)	97
TABLE 17	EXPORT DATA, BY COUNTRY, 2018-2022 (USD MILLION)	98
FIGURE 36	EXPORT DATA, BY COUNTRY, 2018-2022 (USD MILLION)	98
5.16	TARIFF ANALYSIS	98
TABLE 18	MFN TARIFFS FOR HS CODE: 8471 EXPORTED BY US	99
TABLE 19	MFN TARIFFS FOR HS CODE: 8471 EXPORTED BY AUSTRALIA	99
TABLE 20	MFN TARIFF FOR HS CODE: 8471 EXPORTED BY HONG KONG, CHINA	99
5.17	INVESTMENT AND FUNDING SCENARIO	99
FIGURE 37	INVESTMENT AND FUNDING SCENARIO, 2017-2022	99
6	DATA CENTER SOLUTIONS MARKET, BY OFFERING	100
6.1	INTRODUCTION	101
6.1.1	OFFERING: DATA CENTER SOLUTIONS MARKET DRIVERS	101
FIGURE 38	SOFTWARE SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD	102
TABLE 21	DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2018-2022 (USD MILLION)	102
TABLE 22	DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023-2028 (USD MILLION)	102
6.2	HARDWARE	102
FIGURE 39	COOLING MODULES SEGMENT TO WITNESS HIGHEST GROWTH RATE DURING FORECAST PERIOD	103
TABLE 23	DATA CENTER SOLUTIONS MARKET, BY HARDWARE, 2018-2022 (USD MILLION)	103

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 24 □ DATA CENTER SOLUTIONS MARKET, BY HARDWARE, 2023-2028 (USD MILLION) □ 104

TABLE 25 □ HARDWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 104

TABLE 26 □ HARDWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 104

6.2.1 □ IT MODULES □ 104

6.2.1.1 □ Surging demand for digital services and widespread adoption of cloud technologies to drive market □ 104

6.2.1.2 □ Servers □ 105

6.2.1.3 □ Storage □ 105

6.2.1.4 □ Network infrastructure □ 105

TABLE 27 □ IT MODULES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 106

TABLE 28 □ IT MODULES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 106

6.2.2 □ POWER MODULES □ 106

6.2.2.1 □ Need for energy-efficient solutions and sustainability initiatives to drive market □ 106

TABLE 29 □ POWER MODULES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 107

TABLE 30 □ POWER MODULES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 107

6.2.3 □ COOLING MODULES □ 107

6.2.3.1 □ Rising data center heat loads and increased focus on energy efficiency to drive market □ 107

TABLE 31 □ COOLING MODULES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 108

TABLE 32 □ COOLING MODULES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 108

6.3 □ SOFTWARE □ 108

FIGURE 40 □ MONITORING & MANAGEMENT TOOLS SEGMENT TO LEAD MARKET DURING FORECAST PERIOD □ 109

TABLE 33 □ DATA CENTER SOLUTIONS MARKET, BY SOFTWARE, 2018-2022 (USD MILLION) □ 109

TABLE 34 □ DATA CENTER SOLUTIONS MARKET, BY SOFTWARE, 2023-2028 (USD MILLION) □ 110

TABLE 35 □ SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 110

TABLE 36 □ SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 110

6.3.1 □ MONITORING & MANAGEMENT TOOLS □ 111

6.3.1.1 □ Increasing complexity of data center operations and need for real-time monitoring to drive market □ 111

6.3.1.2 □ DCIM software □ 111

6.3.1.3 □ Performance monitoring tools □ 111

6.3.1.4 □ Configuration management □ 112

TABLE 37 □ MONITORING & MANAGEMENT TOOLS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 112

TABLE 38 □ MONITORING & MANAGEMENT TOOLS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 112

6.3.2 □ AUTOMATION & ORCHESTRATION SOFTWARE □ 113

6.3.2.1 □ Growing demand for streamlined operations and reduced manual intervention to drive market □ 113

TABLE 39 □ AUTOMATION & ORCHESTRATION SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 113

TABLE 40 □ AUTOMATION & ORCHESTRATION SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 114

6.3.3 □ BACKUP & DISASTER RECOVERY SOFTWARE □ 114

6.3.3.1 □ Rising awareness about data security and need for resilient business continuity to drive market □ 114

TABLE 41 □ BACKUP & DISASTER RECOVERY SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 115

TABLE 42 □ BACKUP & DISASTER RECOVERY SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 115

6.3.4 □ SECURITY SOFTWARE □ 115

6.3.4.1 □ Growing cybersecurity threats and need for robust data protection to drive market □ 115

TABLE 43 □ SECURITY SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 116

TABLE 44 □ SECURITY SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 116

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

6.3.5 VIRTUALIZATION SOFTWARE 116

6.3.5.1 Rising demand for resource optimization, cost efficiency, and flexible infrastructure to drive market 116

TABLE 45 VIRTUALIZATION SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 117

TABLE 46 VIRTUALIZATION SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 117

6.3.6 ANALYTICS SOFTWARE 118

6.3.6.1 Increasing importance of data-driven decision-making and insights to drive demand for analytics software 118

6.3.6.1.1 Predictive analytics 118

6.3.6.1.2 Real-time monitoring & reporting 118

TABLE 47 ANALYTICS SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 119

TABLE 48 ANALYTICS SOFTWARE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 119

6.4 SERVICES 119

FIGURE 41 SUPPORT & MAINTENANCE SEGMENT TO COMMAND LARGEST MARKET SHARE DURING FORECAST PERIOD 120

TABLE 49 DATA CENTER SOLUTIONS MARKET, BY SERVICES, 2018-2022 (USD MILLION) 120

TABLE 50 DATA CENTER SOLUTIONS MARKET, BY SERVICES, 2023-2028 (USD MILLION) 120

TABLE 51 SERVICES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 121

TABLE 52 SERVICES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 121

6.4.1 DESIGN & CONSULTING 121

6.4.1.1 Complexity of data center architecture and need for optimized, tailored solutions to drive demand for design & consulting services 121

TABLE 53 DESIGN & CONSULTING: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 122

TABLE 54 DESIGN & CONSULTING: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 122

6.4.2 INTEGRATION & DEPLOYMENT 122

6.4.2.1 Growing demand for seamless integration of diverse technologies and efficient deployment solutions to drive market 122

TABLE 55 INTEGRATION & DEPLOYMENT: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 123

TABLE 56 INTEGRATION & DEPLOYMENT: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 123

6.4.3 SUPPORT & MAINTENANCE 123

6.4.3.1 Need for reliable, continuous operation and growing complexity of data center infrastructure to drive demand for support & maintenance services 123

TABLE 57 SUPPORT & MAINTENANCE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 124

TABLE 58 SUPPORT & MAINTENANCE: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 124

7 DATA CENTER SOLUTIONS MARKET, BY DATA CENTER TYPE 125

7.1 INTRODUCTION 126

7.1.1 DATA CENTER TYPE: DATA CENTER SOLUTIONS MARKET DRIVERS 127

FIGURE 42 CLOUD DATA CENTERS SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD 128

TABLE 59 DATA CENTER SOLUTIONS MARKET, BY DATA CENTER TYPE, 2018-2022 (USD MILLION) 128

TABLE 60 DATA CENTER SOLUTIONS MARKET, BY DATA CENTER TYPE, 2023-2028 (USD MILLION) 128

7.2 CLOUD DATA CENTERS 129

7.2.1 CLOUD SERVICE PROVIDERS TO HOST DATA AND APPLICATIONS 129

TABLE 61 CLOUD DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 129

TABLE 62 CLOUD DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 130

7.3 COLOCATION DATA CENTERS 130

7.3.1 COLOCATION FACILITIES TO RENT SPACE TO MULTIPLE ORGANIZATIONS TO HOST DATA CENTERS 130

TABLE 63 COLOCATION DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 130

TABLE 64 COLOCATION DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 131

7.4 ENTERPRISE DATA CENTERS 131

7.4.1 BUILDING AND MAINTAINING ENTERPRISE DATA CENTERS TO INVOLVE SIGNIFICANT CAPITAL EXPENDITURE 131

TABLE 65 ENTERPRISE DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 132

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 66 □ ENTERPRISE DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 132

7.5 □ MODULAR DATA CENTERS □ 133

7.5.1 □ INCREASING DEMAND FOR BETTER SPACE UTILIZATION TO DRIVE MARKET □ 133

TABLE 67 □ MODULAR DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 133

TABLE 68 □ MODULAR DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 133

7.6 □ EDGE DATA CENTERS □ 134

7.6.1 □ RISING INTERNET-CONNECTED DEVICES AND INCREASING ADOPTION OF 5G TO DRIVE MARKET □ 134

7.6.2 □ REGIONAL EDGE DATA CENTERS □ 134

7.6.3 □ MOBILE EDGE COMPUTING (MEC) CENTERS □ 134

TABLE 69 □ EDGE DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 135

TABLE 70 □ EDGE DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 135

8 □ DATA CENTER SOLUTIONS MARKET, BY TIER TYPE □ 136

8.1 □ INTRODUCTION □ 137

TABLE 71 □ DATA CENTER SOLUTIONS MARKET: TYPES OF DATA CENTER TIERS □ 137

8.1.1 □ TIER TYPE: DATA CENTER SOLUTIONS MARKET DRIVERS □ 138

FIGURE 43 □ TIER 3 SEGMENT TO HAVE HIGHEST GROWTH DURING FORECAST PERIOD □ 138

TABLE 72 □ DATA CENTER SOLUTIONS MARKET, BY TIER TYPE, 2018-2022 (USD MILLION) □ 139

TABLE 73 □ DATA CENTER SOLUTIONS MARKET, BY TIER TYPE, 2023-2028 (USD MILLION) □ 139

8.2 □ TIER 1 □ 139

8.2.1 □ AFFORDABILITY AND LOW AVAILABILITY REQUIREMENTS TO DRIVE MARKET □ 139

TABLE 74 □ TIER 1: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 140

TABLE 75 □ TIER 1: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 140

8.3 □ TIER 2 □ 141

8.3.1 □ SUITABILITY AND DEMAND FROM MID-SIZED ORGANIZATIONS TO DRIVE MARKET □ 141

TABLE 76 □ TIER 2: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 141

TABLE 77 □ TIER 2: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 141

8.4 □ TIER 3 □ 142

8.4.1 □ DEMAND FOR HIGHER LEVEL OF RELIABILITY AND CONTINUOUS OPERATION FROM LARGE BUSINESSES TO DRIVE MARKET □ 142

TABLE 78 □ TIER 3: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 142

TABLE 79 □ TIER 3: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 142

8.5 □ TIER 4 □ 143

8.5.1 □ FAULT-TOLERANCE AND CAPABILITY TO WITHSTAND VARIOUS POTENTIAL DISRUPTIONS TO DRIVE DEMAND □ 143

TABLE 80 □ TIER 4: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 143

TABLE 81 □ TIER 4: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 143

9 □ DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE □ 144

9.1 □ INTRODUCTION □ 145

9.1.1 □ DATA CENTER SIZE: DATA CENTER SOLUTIONS MARKET DRIVERS □ 145

FIGURE 44 □ SMALL DATA CENTERS SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD □ 145

TABLE 82 □ DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2018-2022 (USD MILLION) □ 146

TABLE 83 □ DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023-2028 (USD MILLION) □ 146

9.2 □ SMALL DATA CENTERS □ 146

9.2.1 □ NEED FOR EDGE COMPUTING, COST-EFFICIENCY, SCALABILITY, RAPID DEPLOYMENT, AND COMPLIANCE CONSIDERATIONS TO DRIVE MARKET □ 146

TABLE 84 □ SMALL DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) □ 147

TABLE 85 □ SMALL DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) □ 147

9.3 □ MID-SIZED DATA CENTERS □ 147

9.3.1 □ REDUNDANCY AND HIGH AVAILABILITY FEATURES TO DRIVE DEMAND □ 147

TABLE 86 MID-SIZED DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 148

TABLE 87 MID-SIZED DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 148

9.4 LARGE DATA CENTERS 148

9.4.1 NEED FOR MASSIVE DATA PROCESSING, CLOUD COMPUTING, SCALABILITY, HIGH AVAILABILITY, AND COST EFFICIENCY TO DRIVE MARKET 148

TABLE 88 LARGE DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 149

TABLE 89 LARGE DATA CENTERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 149

10 DATA CENTER SOLUTIONS MARKET, BY VERTICAL 150

10.1 INTRODUCTION 151

FIGURE 45 BFSI SEGMENT TO ACCOUNT FOR LARGEST MARKET SIZE DURING FORECAST PERIOD 151

10.1.1 VERTICAL: DATA CENTER SOLUTIONS MARKET DRIVERS 151

TABLE 90 DATA CENTER SOLUTIONS MARKET, BY VERTICAL, 2018-2022 (USD MILLION) 152

TABLE 91 DATA CENTER SOLUTIONS MARKET, BY VERTICAL, 2023-2028 (USD MILLION) 153

10.2 BANKING, FINANCIAL SERVICES, & INSURANCE (BFSI) 153

10.2.1 NEED FOR SECURE, SCALABLE, AND COMPLIANT INFRASTRUCTURE TO SUPPORT DIGITAL TRANSFORMATION TO DRIVE MARKET 153

10.2.2 BFSI: TYPES 154

10.2.2.1 Banks 154

10.2.2.2 Insurance companies 154

10.2.2.3 Financial service firms 154

TABLE 92 BFSI: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 155

TABLE 93 BFSI: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 155

10.3 IT & TELECOM 155

10.3.1 INCREASING DEMAND FOR DATA PROCESSING, STORAGE, AND CONNECTIVITY, ALONG WITH 5G TECHNOLOGY EVOLUTION, TO DRIVE MARKET 155

10.3.2 IT & TELECOM: TYPES 156

10.3.2.1 IT 156

10.3.2.2 telecom 156

TABLE 94 IT & TELECOM: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 157

TABLE 95 IT & TELECOM: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 157

10.4 GOVERNMENT & PUBLIC SECTOR 157

10.4.1 INCREASING AWARENESS OF INFORMATION DIGITALIZATION TO DRIVE MARKET 157

10.4.2 GOVERNMENT & PUBLIC SECTOR: TYPES 158

10.4.2.1 Central & local government agencies 158

10.4.2.2 Defense & military sectors 158

10.4.2.3 Law enforcement & public safety agencies 158

10.4.2.4 National security & intelligence agencies 159

TABLE 96 GOVERNMENT & PUBLIC SECTOR: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 159

TABLE 97 GOVERNMENT & PUBLIC SECTOR: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 160

10.5 HEALTHCARE & LIFE SCIENCES 160

10.5.1 GROWING DEMAND TO SHIFT MANUAL PATIENT RECORDS TO ELECTRONIC STORAGE TO DRIVE MARKET 160

10.5.2 HEALTHCARE & LIFE SCIENCES: TYPES 160

10.5.2.1 Hospitals & healthcare systems 160

10.5.2.2 Clinical research organizations (CROs) 161

10.5.2.3 Pharmaceutical companies 161

TABLE 98 HEALTHCARE & LIFE SCIENCES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 162

TABLE 99 HEALTHCARE & LIFE SCIENCES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 162

10.6 TRANSPORTATION 162

10.6.1 NEED TO ADOPT SMART TRANSPORTATION SYSTEMS, INTEGRATE IOT DEVICES, ENHANCE PASSENGER EXPERIENCE, AND SUPPORT GROWTH OF ELECTRIC VEHICLES TO DRIVE MARKET 162

10.6.2 TRANSPORTATION: TYPES 163

10.6.2.1 Airports & aviation 163

10.6.2.2 Rail transportation 163

10.6.2.3 Maritime & ports 163

10.6.2.4 Freight & logistics 164

10.6.2.5 Mobility services 164

TABLE 100 TRANSPORTATION: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 165

TABLE 101 TRANSPORTATION: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 165

10.7 RETAIL 165

10.7.1 NEED TO MAINTAIN PERSONAL, FINANCIAL, AND STOCK DATA OF CUSTOMERS TO DRIVE MARKET 165

10.7.2 RETAIL: TYPES 166

10.7.2.1 E-commerce retailers 166

10.7.2.2 Brick & mortar chains 166

TABLE 102 RETAIL: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 167

TABLE 103 RETAIL: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 167

10.8 MANUFACTURING 167

10.8.1 NEED FOR IT SYSTEMS TO STREAMLINE LOGISTICS AND PRODUCTION PROCESSES TO DRIVE MARKET 167

TABLE 104 MANUFACTURING: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 168

TABLE 105 MANUFACTURING: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 168

10.9 ENERGY & UTILITIES 169

10.9.1 INCREASING DEMAND FOR EFFICIENT DATA STORAGE, PROCESSING, AND ANALYTICS TO DRIVE MARKET 169

TABLE 106 ENERGY & UTILITIES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 169

TABLE 107 ENERGY & UTILITIES: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 170

10.10 OTHERS 170

TABLE 108 OTHERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 171

TABLE 109 OTHERS: DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 171

?

11 DATA CENTER SOLUTIONS MARKET, BY REGION 172

11.1 INTRODUCTION 173

FIGURE 46 NORTH AMERICA TO BE LARGEST MARKET FROM 2023 TO 2028 173

TABLE 110 DATA CENTER SOLUTIONS MARKET, BY REGION, 2018-2022 (USD MILLION) 173

TABLE 111 DATA CENTER SOLUTIONS MARKET, BY REGION, 2023-2028 (USD MILLION) 174

11.2 NORTH AMERICA 174

11.2.1 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET DRIVERS 174

11.2.2 NORTH AMERICA: RECESSION IMPACT 175

FIGURE 47 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET SNAPSHOT 176

TABLE 112 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2018-2022 (USD MILLION) 176

TABLE 113 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023-2028 (USD MILLION) 177

TABLE 114 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY HARDWARE, 2018-2022 (USD MILLION) 177

TABLE 115 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY HARDWARE, 2023-2028 (USD MILLION) 177

TABLE 116 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY SOFTWARE, 2018-2022 (USD MILLION) 178

TABLE 117 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY SOFTWARE, 2023-2028 (USD MILLION) 178

TABLE 118 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY SERVICES, 2018-2022 (USD MILLION) 178

TABLE 119 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY SERVICES, 2023-2028 (USD MILLION) 179

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 120 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER TYPE, 2018-2022 (USD MILLION) 179

TABLE 121 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER TYPE, 2023-2028 (USD MILLION) 179

TABLE 122 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY TIER TYPE, 2018-2022 (USD MILLION) 180

TABLE 123 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY TIER TYPE, 2023-2028 (USD MILLION) 180

TABLE 124 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2018-2022 (USD MILLION) 180

TABLE 125 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023-2028 (USD MILLION) 181

TABLE 126 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY VERTICAL, 2018-2022 (USD MILLION) 181

TABLE 127 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY VERTICAL, 2023-2028 (USD MILLION) 182

TABLE 128 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY COUNTRY, 2018-2022 (USD MILLION) 182

TABLE 129 NORTH AMERICA: DATA CENTER SOLUTIONS MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 182

11.2.3 US 183

11.2.3.1 Increasing demand for cloud computing and digital services to drive market 183

TABLE 130 US: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2018-2022 (USD MILLION) 183

TABLE 131 US: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023-2028 (USD MILLION) 183

TABLE 132 US: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2018-2022 (USD MILLION) 183

TABLE 133 US: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023-2028 (USD MILLION) 184

11.2.4 CANADA 184

11.2.4.1 Growing reliance on digital transformation and 5G network expansion to drive market 184

TABLE 134 CANADA: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2018-2022 (USD MILLION) 184

TABLE 135 CANADA: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023-2028 (USD MILLION) 184

TABLE 136 CANADA: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2018-2022 (USD MILLION) 185

TABLE 137 CANADA: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023-2028 (USD MILLION) 185

11.3 EUROPE 185

11.3.1 EUROPE: DATA CENTER SOLUTIONS MARKET DRIVERS 186

11.3.2 EUROPE: RECESSION IMPACT 186

TABLE 138 EUROPE: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2018-2022 (USD MILLION) 186

TABLE 139 EUROPE: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023-2028 (USD MILLION) 187

TABLE 140 EUROPE: DATA CENTER SOLUTIONS MARKET, BY HARDWARE, 2018-2022 (USD MILLION) 187

TABLE 141 EUROPE: DATA CENTER SOLUTIONS MARKET, BY HARDWARE, 2023-2028 (USD MILLION) 187

TABLE 142 EUROPE: DATA CENTER SOLUTIONS MARKET, BY SOFTWARE, 2018-2022 (USD MILLION) 187

TABLE 143 EUROPE: DATA CENTER SOLUTIONS MARKET, BY SOFTWARE, 2023-2028 (USD MILLION) 188

TABLE 144 EUROPE: DATA CENTER SOLUTIONS MARKET, BY SERVICES, 2018-2022 (USD MILLION) 188

TABLE 145 EUROPE: DATA CENTER SOLUTIONS MARKET, BY SERVICES, 2023-2028 (USD MILLION) 188

TABLE 146 EUROPE: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER TYPE, 2018-2022 (USD MILLION) 189

TABLE 147 EUROPE: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER TYPE, 2023-2028 (USD MILLION) 189

TABLE 148 EUROPE: DATA CENTER SOLUTIONS MARKET, BY TIER TYPE, 2018-2022 (USD MILLION) 189

TABLE 149 EUROPE: DATA CENTER SOLUTIONS MARKET, BY TIER TYPE, 2023-2028 (USD MILLION) 190

TABLE 150 EUROPE: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2018-2022 (USD MILLION) 190

TABLE 151 EUROPE: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023-2028 (USD MILLION) 190

TABLE 152 EUROPE: DATA CENTER SOLUTIONS MARKET, BY VERTICAL, 2018-2022 (USD MILLION) 191

TABLE 153 EUROPE: DATA CENTER SOLUTIONS MARKET, BY VERTICAL, 2023-2028 (USD MILLION) 191

TABLE 154 EUROPE: DATA CENTER SOLUTIONS MARKET, BY COUNTRY, 2018-2022 (USD MILLION) 192

TABLE 155 EUROPE: DATA CENTER SOLUTIONS MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 192

11.3.3 UK 192

11.3.3.1 Rising demand for data storage and processing capabilities to support digital innovation to drive market 192

TABLE 156 UK: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2018-2022 (USD MILLION) 193

TABLE 157 UK: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023-2028 (USD MILLION) 193

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

TABLE 158 UK: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2018-2022 (USD MILLION) 193

TABLE 159 UK: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023-2028 (USD MILLION) 193

11.3.4 GERMANY 194

11.3.4.1 Increasing adoption of Industry 4.0 and advancements in technology infrastructure to drive market 194

TABLE 160 GERMANY: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2018-2022 (USD MILLION) 194

TABLE 161 GERMANY: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023-2028 (USD MILLION) 194

TABLE 162 GERMANY: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2018-2022 (USD MILLION) 195

TABLE 163 GERMANY: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023-2028 (USD MILLION) 195

11.3.5 FRANCE 195

11.3.5.1 Growing demand for cloud services and digital transformation initiatives to drive market 195

TABLE 164 FRANCE: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2018-2022 (USD MILLION) 196

TABLE 165 FRANCE: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023-2028 (USD MILLION) 196

TABLE 166 FRANCE: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2018-2022 (USD MILLION) 196

TABLE 167 FRANCE: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023-2028 (USD MILLION) 196

11.3.6 ITALY 197

11.3.6.1 Rising demand for edge computing and enhanced connectivity to support IoT applications to drive market 197

TABLE 168 ITALY: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2018-2022 (USD MILLION) 197

TABLE 169 ITALY: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023-2028 (USD MILLION) 197

TABLE 170 ITALY: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2018-2022 (USD MILLION) 198

TABLE 171 ITALY: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023-2028 (USD MILLION) 198

11.3.7 REST OF EUROPE 198

TABLE 172 REST OF EUROPE: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2018-2022 (USD MILLION) 199

TABLE 173 REST OF EUROPE: DATA CENTER SOLUTIONS MARKET, BY OFFERING, 2023-2028 (USD MILLION) 199

TABLE 174 REST OF EUROPE: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2018-2022 (USD MILLION) 199

TABLE 175 REST OF EUROPE: DATA CENTER SOLUTIONS MARKET, BY DATA CENTER SIZE, 2023-2028 (USD MILLION) 199

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Data Center Solutions Market by Offering (Hardware, Software, Services), Data Center Type (Enterprise Data Center, Cloud Data Center, Colocation Data Center), Tier Type, Data Center Size, Vertical and Region - Global Forecast to 2028

Market Report | 2024-01-24 | 361 pages | MarketsandMarkets

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	\$4950.00
	Multi User	\$6650.00
	Corporate License	\$8150.00
	Enterprise Site License	\$10000.00
		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*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Date

2025-05-20

Signature

A large, empty rectangular box with a thin black border, intended for a signature.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com