3D Mapping and Modeling Market by Offering (Software & Services), Technology (LiDAR, Photogrammetry, SLAM), Vertical (Architecture, Engineering & Construction, Media & Entertainment), and Region (North America, APAC, Europe, RoW) - Global Forecast to 2028

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Report description:

The 3D mapping and modeling market is projected to grow from USD 5.4 billion in 2023 to USD 11.8 billion by 2028, at a compound annual growth rate (CAGR) of 17.2% during the forecast period. The market is anticipated to grow due to the growing availability of 3D content and the advent of 3D-enabled display devices for a better navigation experience.
By offering solutions segment to register for largest market size during forecast period
The solutions segment within the 3D mapping and modeling market is witnessing rapid growth due to technological advancements, diverse industry applications, enhanced visualization and simulation capabilities, integration with other technologies like AR and VR, and the growing demand for GIS. As the market expands, solution providers will likely focus on developing more specialized and industry-specific tools, improving user experience, and pushing the boundaries of 3D mapping and modeling capabilities.
By vertical, healthcare & life sciences segment to register fastest growing CAGR during the forecast period
The healthcare & life sciences verticals have witnessed tremendous advancements over the past decade, and 3D mapping and modeling technology have played a pivotal role in driving this progress. 3D mapping and modeling have become integral tools in research, diagnostics, treatment planning, and medical education. These technologies allow professionals to visualize complex anatomical structures, analyze data precisely, and create patient-specific solutions. As a result, the 3D mapping and modeling market within the healthcare and life sciences vertical has experienced rapid growth and is expected to continue expanding.
North America to witness the largest market size during the forecast period
North America is experiencing significant technological growth in the 3d mapping and modeling market, driven by various factors

shaping the landscape of intelligent and connected devices. The region's advancements in solutions, research, and industry collaborations are propelling the growth of 3d mapping and modeling and fostering innovation across multiple sectors. North America benefits from robust infrastructure and widespread connectivity, providing a solid foundation for expanding the market's 3D mapping and modeling solutions.

Breakdown of primaries

In-depth interviews were conducted with Chief Executive Officers (CEOs), innovation and technology directors, system integrators, and executives from various key organizations operating in the 3d mapping and modeling market.

-□By Company: Tier I: 38%, Tier II: 50%, and Tier III: 12%

-□By Designation: C-Level Executives: 35%, D-Level Executives: 40%, and Managers: 25%

-□By Region: North America: 40%, Asia Pacific: 20%, Europe: 30%, and Middle East and Africa- 5%, Latin America-5%

The report includes the study of key players offering 3d mapping and modeling solutions. It profiles major vendors in the 3D mapping and modeling market. The major players in the 3D mapping and modeling market include Google (US), Autodesk (US), Trimble (US), Bentley Systems (US), Dassault Systemes (France), Adobe (US), Hexagon (Sweden), Esri (US), Golden Software (US), Maxon (Germany), Topcon (Japan), CyberCity 3D (US), Pix4D (Switzerland), Apple (US), Onionlab (Spain), Mapbox (US), Saab AB (Sweden), Airbus (Netherlands), Intermap Technologies (US), The Foundry Visionmongers (UK), PTC (US), MathWorks (US), Ansys (US), Blender Foundation (Netherlands), SideFX (Canada), Civil Maps (US), Hivemapper (US), lvl5 (US), Shapr3D (Hungary), Innersight (UK), Astrivis Technologies (Switzerland), Pointivo (US), Dynamic Map Platform (Japan), Archilogic (Switzerland) and MOD Tech Labs (US).

Research coverage

The 3D mapping and modeling market research study involved extensive secondary sources, directories, journals, and paid databases. Primary sources were mainly industry experts from the core and related industries, preferred 3d mapping and modeling providers, third-party service providers, consulting service providers, end users, and other commercial enterprises. In-depth interviews were conducted with various primary respondents, including key industry participants and subject matter experts, to obtain and verify critical qualitative and quantitative information, and assess the market's prospects.

Key Benefits of Buying the Report

The report would provide the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall 3d mapping and modeling market and its subsegments. It would help stakeholders understand the competitive landscape and gain more insights better to position their business and plan suitable go-to-market strategies. It also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

- Analysis of key drivers (rising demand for 3D animation across mobile applications, games, and movies for an enriched viewing experience, technological advancements in 3D scanners, 3D sensors, and other acquisition devices, growing availability of 3D content, advent of 3D-enabled display devices for a better navigation experience), restraints (increasing corruption and piracy concerns, high technological and installation costs), opportunities (emergence of AI and ML technologies to boost 3D content accuracy, the rising popularity of AR and VR applications across key industries to create an immersive user experience, integration with IoT and sensor technologies for real-time data collection and visualization), and challenges (stringent government regulations and lack of investments, lack of expertise and a skilled workforce).
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the 3d mapping and modeling market
- Market Development: Comprehensive information about lucrative markets - the report analyses the 3d mapping and modeling market across varied regions
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the 3D mapping and modeling market
- Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like

include Google (US), Autodesk (US), Trimble (US), Bentley Systems (US), Dassault Systemes (France), Adobe (US), and Hexagon (Sweden) among others in the 3D mapping and modeling market strategies. The report also helps stakeholders understand the pulse of the 3D mapping and modeling market and provides them with information on key market drivers, restraints, challenges, and opportunities.

Table of Contents:

1 INTRODUCTION 29
1.1 STUDY OBJECTIVES 29
1.2 MARKET DEFINITION 29
1.2.1 INCLUSIONS AND EXCLUSIONS 29
1.3 STUDY SCOPE 31
1.3.1 MARKETS COVERED 31
1.3.2 REGIONS COVERED 32
1.3.3 YEARS CONSIDERED 32
1.4 CURRENCY CONSIDERED 33
TABLE 1 USD EXCHANGE RATE, 2019-2021 33
1.5 STAKEHOLDERS 33
1.6 SUMMARY OF CHANGES 34
1.6.1 RECESSION IMPACT 34
2 RESEARCH METHODOLOGY 35
2.1 RESEARCH DATA 35
FIGURE 1 RESEARCH DESIGN 35
2.1.1 SECONDARY DATA 36
2.1.2 PRIMARY DATA 36
TABLE 2 PRIMARY INTERVIEWS 36
2.1.2.1 Breakdown of primary interviews 37
2.1.2.2 Key industry insights 37
2.2 DATA TRIANGULATION 38
FIGURE 2 DATA TRIANGULATION 38
2.3 MARKET SIZE ESTIMATION 39
FIGURE 3 TOP-DOWN AND BOTTOM-UP APPROACHES 39
2.3.1 TOP-DOWN APPROACH 39
2.3.2 BOTTOM-UP APPROACH 40
FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY - APPROACH 1 (SUPPLY-SIDE): REVENUE GENERATED FROM 3D MAPPING AND MODELING MARKET SOLUTIONS/SERVICES 40
FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY - APPROACH 2, BOTTOM-UP (SUPPLY-SIDE): COLLECTIVE REVENUE GENERATED FROM ALL 3D MAPPING AND MODELING SOLUTIONS/SERVICES 41
FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY - APPROACH 3, BOTTOM-UP (SUPPLY-SIDE): COLLECTIVE REVENUE GENERATED FROM ALL 3D MAPPING AND MODELING SOLUTIONS/SERVICES 42
FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY - APPROACH 4, BOTTOM-UP (DEMAND-SIDE): SHARE OF 3D MAPPING AND MODELING MARKET THROUGH OVERALL SPENDING 42
2.4 MARKET FORECASTING 43
TABLE 3 FACTOR ANALYSIS 43
2.5 RESEARCH ASSUMPTIONS 44
2.6 RESEARCH LIMITATIONS 46
2.7 RECESSION IMPACT ANALYSIS 46
TABLE 4 IMPACT OF RECESSION ON 3D MAPPING AND MODELING MARKET 47

3 EXECUTIVE SUMMARY 48
TABLE 5 3D MAPPING AND MODELING MARKET SIZE AND GROWTH RATE, 2017-2022 (USD MILLION, Y-O-Y %) 49
TABLE 6 3D MAPPING AND MODELING MARKET SIZE AND GROWTH RATE, 2023-2028 (USD MILLION, Y-O-Y %) 49
FIGURE 8 SOFTWARE TO BE LARGEST SEGMENT IN 2023 50
FIGURE 9 3D MAPPING SOFTWARE TO HOLD MAXIMUM MARKET SHARE IN 2023 50
FIGURE 10 DRONE MAPPING TO SECURE LEADING POSITION IN 3D MAPPING SOFTWARE MARKET IN 2023 51
FIGURE 11 WIREFRAME MODELING TO SECURE LEADING POSITION IN 3D MODELING SOFTWARE MARKET IN 2023 51
FIGURE 12 PROFESSIONAL SERVICES TO ACQUIRE LARGEST MARKET SHARE IN 2023 52
FIGURE 13 SYSTEM INTEGRATION AND IMPLEMENTATION TO LEAD PROFESSIONAL SERVICES MARKET IN 2023 52
FIGURE 14 LIDAR TO SURPASS OTHER TECHNOLOGIES IN 2023 53
FIGURE 15 ON-PREMISES SEGMENT TO ACQUIRE LARGER MARKET SHARE IN 2023 53
FIGURE 16 HEALTHCARE AND LIFE SCIENCES TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD 54
FIGURE 17 ASIA PACIFIC TO BE FASTEST-GROWING REGION DURING FORECAST PERIOD 54
4 PREMIUM INSIGHTS 55
4.1 ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN 3D MAPPING AND MODELING MARKET 55
FIGURE 18 ADVENT OF MACHINE LEARNING AND ARTIFICIAL INTELLIGENCE TO OFFER REALISTIC AND IMMERSIVE VISUALIZATIONS 55
4.2 OVERVIEW OF RECESSION IN 3D MAPPING AND MODELING MARKET 56
FIGURE 19 3D MAPPING AND MODELING MARKET TO WITNESS MINOR DECLINE IN Y-O-Y GROWTH RATE IN 2023 56
4.3 TOP THREE VERTICALS IN 3D MAPPING AND MODELING MARKET 56
FIGURE 20 MEDIA AND ENTERTAINMENT TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 56
4.4 NORTH AMERICAN 3D MAPPING AND MODELING MARKET, BY OFFERING AND VERTICAL 57
FIGURE 21 SOFTWARE AND ARCHITECTURE, ENGINEERING, AND CONSTRUCTION TO BE KEY STAKEHOLDERS IN 2023 57
4.5 3D MAPPING AND MODELING MARKET, BY REGION 57
FIGURE 22 NORTH AMERICA TO BE LARGEST MARKET DURING FORECAST PERIOD 57
?
5 MARKET OVERVIEW AND INDUSTRY TRENDS 58
5.1 INTRODUCTION 58
5.2 MARKET DYNAMICS 58
FIGURE 23 3D MAPPING AND MODELING MARKET DYNAMICS 58
5.2.1 DRIVERS 59
5.2.1.1 Growing demand for 3D animation in mobile applications, gaming, and videography 59
5.2.1.2 Technological advancements in 3D scanners, sensors, and other acquisition devices 59
5.2.1.3 Widespread availability of 3D content 59
5.2.1.4 Advent of 3D-enabled display devices 59
5.2.2 RESTRAINTS 60
5.2.2.1 Increase in corruption and piracy concerns 60
5.2.2.2 High technological and installation costs 60
5.2.3 OPPORTUNITIES 60
5.2.3.1 Emergence of AI and ML technologies 60
5.2.3.2 Rising popularity of AR and VR technologies across key industries 61
5.2.3.3 Integration of 3D mapping and modeling solutions with sensors and IoT devices to collect real-time data 61
5.2.4 CHALLENGES 61
5.2.4.1 Stringent government regulations and insufficient funding in 3D mapping and modeling technologies 61
5.2.4.2 Shortage of skilled workforce 62
5.3 CASE STUDY ANALYSIS 62
5.3.1 JAY & CO. INDIA PVT. LTD. DEPLOYED PDMC AND REVIT TO STREAMLINE DESIGN WORKFLOW AND DATA INTEROPERABILITY 62

5.3.2 JOHN MCASLAN AND PARTNERS DEPLOYED 3D MODELING TO TRANSFORM KING'S CROSS STATION 63
5.3.3 SIMPLE ENERGY DEPLOYED ALIAS SURFACE SOFTWARE TO BUILD 3D MODELS OF AUTOMOTIVE DESIGNS AND REDUCE TIME TO MARKET 63
5.3.4 RUMBO NORTE INGENIERIA DEPLOYED TDX8 TO CAPTURE ACCURATE DATA 64
5.3.5 ZURI DEPLOYED 3DEXPERIENCE TO MANUFACTURE VTOL AIRCRAFT 65
5.3.6 COHN CONSTRUCTION DEPLOYED SKETCHUP PRO TO DEVELOP ROBUST 3D DESIGNS 65
5.3.7 EPA DEPLOYED 3D MAPPING TO MAKE CRITICAL DECISIONS RELATED TO CLEAN WATER ACT 66
5.3.8 GRANDVIEW ENERGY DEPLOYED SURFER TO ACHIEVE PRECISE GEOLOGICAL VISUALIZATION 66
5.3.9 GENSLER DEPLOYED 3D GIS TO FACILITATE SMART URBAN PLANNING 67
5.3.10 BIESSE GROUP DEPLOYED 3D INTEROP TO RESOLVE DATA TRANSLATION ISSUE 67
?
5.4 REGULATORY LANDSCAPE 68
5.4.1 NORTH AMERICA 68
TABLE 7 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 68
5.4.2 EUROPE 69
TABLE 8 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 69
5.4.3 ASIA PACIFIC 69
TABLE 9 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 69
5.4.4 MIDDLE EAST & AFRICA 70
TABLE 10 MIDDLE EAST & AFRICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 70
5.4.5 LATIN AMERICA 71
TABLE 11 LATIN AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 71
5.5 ECOSYSTEM MAPPING 72
FIGURE 24 3D MAPPING AND MODELING MARKET ECOSYSTEM 72
5.6 PATENT ANALYSIS 73
5.6.1 METHODOLOGY 73
5.6.2 PATENTS FILED, 2013-2023 73
TABLE 12 PATENTS FILED, 2013-2023 73
5.6.3 INNOVATION AND PATENT APPLICATIONS 73
FIGURE 25 TOTAL NUMBER OF PATENTS GRANTED, 2013-2023 73
5.6.4 TOP APPLICANTS 74
FIGURE 26 TOP 10 PATENT APPLICANTS, 2013-2023 74
FIGURE 27 REGIONAL ANALYSIS OF PATENTS GRANTED, 2013-2023 74
TABLE 13 TOP 20 PATENT OWNERS IN 3D MAPPING AND MODELING MARKET, 2013-2023 75
TABLE 14 PATENTS IN 3D MAPPING AND MODELING MARKET, 2023 76
5.7 SUPPLY CHAIN ANALYSIS 80
FIGURE 28 SUPPLY CHAIN ANALYSIS 80
TABLE 15 ROLE OF COMPANIES IN SUPPLY CHAIN 81
5.8 PRICING ANALYSIS 82
TABLE 16 AVERAGE SELLING PRICE ANALYSIS, BY OFFERING 82
5.9 BEST PRACTICES IN 3D MAPPING AND MODELING MARKET 83
TABLE 17 BEST PRACTICES IN 3D MAPPING AND MODELING MARKET 83
5.10 BRIEF HISTORY OF 3D MAPPING AND MODELING MARKET 84
FIGURE 29 EVOLUTION OF 3D MAPPING AND MODELING TECHNOLOGIES 84
5.11 FUTURE OF 3D MAPPING AND MODELING MARKET 85
FIGURE 30 3D MAPPING AND MODELING ROADMAP, 2020-2030 85
TABLE 18 SHORT-TERM ROADMAP, 2023-2025 86

TABLE 19 MID-TERM ROADMAP, 2026-2028 86
TABLE 20 LONG-TERM ROADMAP, 2029-2030 87
5.12 TRENDS/DISRUPTIONS IMPACTING CUSTOMERS' BUSINESSES 87
FIGURE 31 REVENUE SHIFT FOR PLAYERS IN 3D MAPPING AND MODELING MARKET 87
5.13 PORTER'S FIVE FORCES ANALYSIS 88
FIGURE 32 PORTER'S FIVE FORCES ANALYSIS 88
5.13.1 THREAT OF NEW ENTRANTS 89
5.13.2 THREAT OF SUBSTITUTES 89
5.13.3 BARGAINING POWER OF SUPPLIERS 89
5.13.4 BARGAINING POWER OF BUYERS 89
5.13.5 INTENSITY OF COMPETITIVE RIVALRY 90
5.14 KEY CONFERENCES AND EVENTS, 2023-2024 90
TABLE 21 KEY CONFERENCES AND EVENTS, 2023-2024 90
5.15 KEY STAKEHOLDERS AND BUYING CRITERIA 91
5.15.1 KEY STAKEHOLDERS IN BUYING PROCESS 91
FIGURE 33 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE VERTICALS 91
TABLE 22 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP THREE VERTICALS 91
5.15.2 BUYING CRITERIA 92
FIGURE 34 KEY BUYING CRITERIA FOR TOP THREE VERTICALS 92
TABLE 23 KEY BUYING CRITERIA FOR TOP THREE VERTICALS 92
5.16 TECHNOLOGY ANALYSIS 93
5.16.1 KEY TECHNOLOGIES 93
5.16.1.1 LiDAR 93
5.16.1.2 Photogrammetry 94
5.16.1.3 Augmented reality 94
5.16.1.4 Virtual reality 94
5.16.1.5 3D printing 95
5.16.1.6 Real-time simulation 95
5.16.1.7 Simultaneous localization and mapping 95
5.16.2 ADJACENT TECHNOLOGIES 96
5.16.2.1 Geographic information system 96
5.16.2.2 Artificial intelligence 96
5.16.2.3 Machine learning 96
5.16.2.4 Cloud computing 97
5.16.2.5 Digital twin 97
5.16.2.6 Blockchain 97
5.16.2.7 Big data 98
5.17 3D MAPPING AND MODELING PROCESS 98
5.17.1 DATA ACQUISITION 98
5.17.2 DATA PREPROCESSING 98
5.17.3 POINT CLOUD PROCESSING 98
5.17.4 3D MODEL CREATION 99
5.17.5 POSTPROCESSING 99
5.17.6 OUTPUT AND VISUALIZATION 99
5.17.7 APPLICATION AND USE 99
5.18 BUSINESS MODEL ANALYSIS 99
5.18.1 SOFTWARE LICENSING 99

5.18.2 SOFTWARE-AS-A-SERVICE (SAAS) 100
5.18.3 PLATFORM-AS-A-SERVICE (PAAS) 100
6 3D MAPPING AND MODELING MARKET, BY OFFERING 101
6.1 INTRODUCTION 102
6.1.1 3D MAPPING AND MODELING MARKET DRIVERS 102
FIGURE 35 SOFTWARE SEGMENT TO LEAD MARKET IN 2023 103
TABLE 24 3D MAPPING AND MODELING MARKET, BY OFFERING, 2017-2022 (USD MILLION) 103
TABLE 25 3D MAPPING AND MODELING MARKET, BY OFFERING, 2023-2028 (USD MILLION) 103
6.2 SOFTWARE 104
FIGURE 36 3D MODELING SOFTWARE TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 104
TABLE 26 SOFTWARE: 3D MAPPING AND MODELING MARKET, BY TYPE, 2017-2022 (USD MILLION) 104
TABLE 27 SOFTWARE: 3D MAPPING AND MODELING MARKET, BY TYPE, 2023-2028 (USD MILLION) 105
TABLE 28 SOFTWARE: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 105
TABLE 29 SOFTWARE: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 105
6.2.1 3D MAPPING SOFTWARE 106
FIGURE 37 SATELLITE AND AERIAL IMAGING TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 106
TABLE 30 3D MAPPING SOFTWARE: 3D MAPPING AND MODELING MARKET, BY TYPE, 2017-2022 (USD MILLION) 107
TABLE 31 3D MAPPING SOFTWARE: 3D MAPPING AND MODELING MARKET, BY TYPE, 2023-2028 (USD MILLION) 107
TABLE 32 3D MAPPING SOFTWARE: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 107
TABLE 33 3D MAPPING SOFTWARE: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 108
6.2.1.1 3D projection mapping 108
6.2.1.1.1 Versatility of 3D projection mapping software to drive growth 108
TABLE 34 3D PROJECTION MAPPING: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 109
TABLE 35 3D PROJECTION MAPPING: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 109
6.2.1.2 GIS mapping 109
6.2.1.2.1 Ability to visualize complex data comprehensively to drive growth 109
TABLE 36 GIS MAPPING: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 110
TABLE 37 GIS MAPPING: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 110
6.2.1.3 Drone mapping 111
6.2.1.3.1 Increased focus on reduction in resourcing cost and time to drive growth 111
TABLE 38 DRONE MAPPING: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 111
TABLE 39 DRONE MAPPING: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 111
6.2.1.4 Satellite and aerial imaging 112
6.2.1.4.1 Widespread use in environmental monitoring applications to drive growth 112
TABLE 40 SATELLITE AND AERIAL IMAGING: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 112
TABLE 41 SATELLITE AND AERIAL IMAGING: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 113
6.2.1.5 Others 113
TABLE 42 OTHERS: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 114
TABLE 43 OTHERS: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 114
6.2.2 3D MODELING SOFTWARE 114
FIGURE 38 WIREFRAME MODELING TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 115
TABLE 44 3D MODELING SOFTWARE: 3D MAPPING AND MODELING MARKET, BY TYPE, 2017-2022 (USD MILLION) 115
TABLE 45 3D MODELING SOFTWARE: 3D MAPPING AND MODELING MARKET, BY TYPE, 2023-2028 (USD MILLION) 116
TABLE 46 3D MODELING SOFTWARE: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 116
TABLE 47 3D MODELING SOFTWARE: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 116
6.2.2.1 Solid modeling 117
6.2.2.1.1 Ability to create three-dimensional models with complex geometries, surfaces, and textures to drive growth 117

TABLE 48 SOLID MODELING: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 117
TABLE 49 SOLID MODELING: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 118
6.2.2.2 Wireframe modeling 118
6.2.2.2.1 Streamlined decision-making capabilities to drive growth 118
TABLE 50 WIREFRAME MODELING: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 119
TABLE 51 WIREFRAME MODELING: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 119
6.2.2.3 Surface modeling 119
6.2.2.3.1 Integration with other 3D technologies to drive growth 119
TABLE 52 SURFACE MODELING: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 120
TABLE 53 SURFACE MODELING: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 120
6.2.2.4 Others 120
TABLE 54 OTHERS: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 121
TABLE 55 OTHERS: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 121
6.3 SERVICES 121
FIGURE 39 MANAGED SERVICES TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 122
TABLE 56 SERVICES: 3D MAPPING AND MODELING MARKET, BY TYPE, 2017-2022 (USD MILLION) 122
TABLE 57 SERVICES: 3D MAPPING AND MODELING MARKET, BY TYPE, 2023-2028 (USD MILLION) 122
TABLE 58 SERVICES: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 123
TABLE 59 SERVICES: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 123
6.3.1 PROFESSIONAL SERVICES 123
FIGURE 40 TRAINING AND CONSULTING TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 124
TABLE 60 PROFESSIONAL SERVICES: 3D MAPPING AND MODELING MARKET, BY TYPE, 2017-2022 (USD MILLION) 124
TABLE 61 PROFESSIONAL SERVICES: 3D MAPPING AND MODELING MARKET, BY TYPE, 2023-2028 (USD MILLION) 125
TABLE 62 PROFESSIONAL SERVICES: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 125
TABLE 63 PROFESSIONAL SERVICES: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 125
6.3.1.1 Training and consulting 126
6.3.1.1.1 Increasing demand for customized support and consulting services to drive growth 126
TABLE 64 TRAINING AND CONSULTING: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 126
TABLE 65 TRAINING AND CONSULTING: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 127
6.3.1.2 System integration and implementation 127
6.3.1.2.1 Smooth data exchange and optimum operations to drive growth 127
TABLE 66 SYSTEM INTEGRATION AND IMPLEMENTATION: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 128
TABLE 67 SYSTEM INTEGRATION AND IMPLEMENTATION: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 128
6.3.1.3 Support and maintenance 128
6.3.1.3.1 Rising deployment of 3D mapping and modeling solutions to drive growth 128
TABLE 68 SUPPORT AND MAINTENANCE: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 129
TABLE 69 SUPPORT AND MAINTENANCE: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 129
6.3.2 MANAGED SERVICES 129
TABLE 70 MANAGED SERVICES: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 130
TABLE 71 MANAGED SERVICES: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 130
7 3D MAPPING AND MODELING MARKET, BY DEPLOYMENT MODE 131
7.1 INTRODUCTION 132
7.1.1 3D MAPPING AND MODELING MARKET DRIVERS 132
FIGURE 41 CLOUD IS THE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 133
TABLE 72 3D MAPPING AND MODELING MARKET, BY DEPLOYMENT MODE, 2017-2022 (USD MILLION) 133

TABLE 73 3D MAPPING AND MODELING MARKET, BY DEPLOYMENT MODE, 2023-2028 (USD MILLION) 133
7.2 ON-PREMISES 134
7.2.1 DATA SECURITY AND LOW LATENCY TO DRIVE GROWTH 134
TABLE 74 ON-PREMISES: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 134
TABLE 75 ON-PREMISES: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 134
7.3 CLOUD 135
7.3.1 SEAMLESS DATA SHARING AND REAL-TIME COLLABORATION TO DRIVE GROWTH 135
TABLE 76 CLOUD: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 135
TABLE 77 CLOUD: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 135
8 3D MAPPING AND MODELING MARKET, BY TECHNOLOGY 136
8.1 INTRODUCTION 137
8.1.1 3D MAPPING AND MODELING MARKET DRIVERS 137
FIGURE 42 PHOTOGRAMMETRY TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 138
TABLE 78 3D MAPPING AND MODELING MARKET, BY TECHNOLOGY, 2017-2022 (USD MILLION) 138
TABLE 79 3D MAPPING AND MODELING MARKET, BY TECHNOLOGY, 2023-2028 (USD MILLION) 138
8.2 LIDAR 139
8.2.1 ABILITY TO COLLECT ACCURATE DATA TO DRIVE GROWTH 139
TABLE 80 LIDAR: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 139
TABLE 81 LIDAR: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 139
8.2.2 AIRBORNE 140
8.2.3 TERRESTRIAL 140
8.2.4 MOBILE 140
8.3 PHOTOGRAMMETRY 140
8.3.1 COST-EFFECTIVENESS TO DRIVE GROWTH 140
TABLE 82 PHOTOGRAMMETRY: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 141
TABLE 83 PHOTOGRAMMETRY: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 141
8.3.2 AERIAL 141
8.3.3 CLOSE RANGE 141
8.3.4 SATELLITE 142
8.4 STRUCTURED LIGHT SCANNING 142
8.4.1 HIGH-PRECISION DATA CAPTURE CAPABILITIES TO DRIVE GROWTH 142
TABLE 84 STRUCTURED LIGHT SCANNING: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 142
TABLE 85 STRUCTURED LIGHT SCANNING: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 143
8.4.2 TRIANGULATION METHOD 143
8.4.3 TIME-OF-FLIGHT METHOD 143
8.4.4 MOIRE PATTERN 143
8.5 SLAM 144
8.5.1 NEED FOR REAL-TIME 3D MAPS TO DRIVE GROWTH 144
TABLE 86 SLAM: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 144
TABLE 87 SLAM: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 144
8.5.2 VISUAL SLAM 145
8.5.3 SENSOR FUSION SLAM 145
8.5.4 LIDAR SLAM 145
8.6 OTHER TECHNOLOGIES 145
TABLE 88 OTHER TECHNOLOGIES: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 146
TABLE 89 OTHER TECHNOLOGIES: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 146
9 3D MAPPING AND MODELING MARKET, BY VERTICAL 147

9.1 INTRODUCTION 148
9.1.1 3D MAPPING AND MODELING MARKET DRIVERS 148
FIGURE 43 HEALTHCARE AND LIFE SCIENCES TO RECORD HIGHEST CAGR DURING FORECAST PERIOD 149
TABLE 90 3D MAPPING AND MODELING MARKET, BY VERTICAL, 2017-2022 (USD MILLION) 149
TABLE 91 3D MAPPING AND MODELING MARKET, BY VERTICAL, 2023-2028 (USD MILLION) 150
9.2 ARCHITECTURE, ENGINEERING, AND CONSTRUCTION 150
FIGURE 44 BUILDING INFORMATION MODELING TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 151
TABLE 92 ARCHITECTURE, ENGINEERING, AND CONSTRUCTION: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 151
TABLE 93 ARCHITECTURE, ENGINEERING, AND CONSTRUCTION: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 152
TABLE 94 ARCHITECTURE, ENGINEERING, AND CONSTRUCTION: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 152
TABLE 95 ARCHITECTURE, ENGINEERING, AND CONSTRUCTION: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 152
9.2.1 ARCHITECTURAL VISUALIZATION AND WALKTHROUGH 153
9.2.2 BUILDING INFORMATION MODELING (BIM) 153
9.2.3 SITE ANALYSIS AND SURVEYING 153
9.2.4 ARCHITECTURE AND CONSTRUCTION 154
9.2.5 OTHER APPLICATIONS 154
9.3 MEDIA AND ENTERTAINMENT 155
FIGURE 45 GAMING AND ANIMATION TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 155
TABLE 96 MEDIA AND ENTERTAINMENT: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 156
TABLE 97 MEDIA AND ENTERTAINMENT: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 156
TABLE 98 MEDIA AND ENTERTAINMENT: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 156
TABLE 99 MEDIA AND ENTERTAINMENT: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 157
9.3.1 CHARACTER MODELING AND ANIMATION 157
9.3.2 GAMING AND ANIMATION 157
9.3.3 ENVIRONMENT AND LEVEL DESIGN 158
9.3.4 VISUAL EFFECTS (VFX) 158
9.3.5 OTHER APPLICATIONS 158
9.4 MANUFACTURING 159
FIGURE 46 FACTORY LAYOUT PLANNING TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 159
TABLE 100 MANUFACTURING: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 160
TABLE 101 MANUFACTURING: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 160
TABLE 102 MANUFACTURING: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 160
TABLE 103 MANUFACTURING: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 161
9.4.1 PRODUCT DESIGN AND PROTOTYPING 161
9.4.2 FACTORY LAYOUT PLANNING 161
9.4.3 DEFENSE SIMULATION AND TRAINING 162
9.4.4 MAINTENANCE AND REPAIR SIMULATION 162
9.4.5 OTHER APPLICATIONS 162
9.5 EDUCATION 163
FIGURE 47 VIRTUAL LABORATORIES AND SIMULATIONS TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 163
TABLE 104 EDUCATION: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 163
TABLE 105 EDUCATION: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 164
TABLE 106 EDUCATION: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 164

TABLE 107 EDUCATION: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 164
9.5.1 INTERACTIVE LEARNING MATERIALS 165
9.5.2 VIRTUAL LABORATORIES AND SIMULATION 165
9.5.3 HISTORICAL RECONSTRUCTION 165
9.5.4 VIRTUAL FIELD TRIPS 165
9.5.5 OTHER APPLICATIONS 166
9.6 ENERGY AND UTILITIES 166
FIGURE 48 RENEWABLE ENERGY SITE PLANNING TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 166
TABLE 108 ENERGY AND UTILITIES: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 167
TABLE 109 ENERGY AND UTILITIES: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 167
TABLE 110 ENERGY AND UTILITIES: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 167
TABLE 111 ENERGY AND UTILITIES: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 168
9.6.1 FACILITY AND INFRASTRUCTURE MANAGEMENT 168
9.6.2 RENEWABLE ENERGY SITE PLANNING 168
9.6.3 OIL AND GAS EXPLORATION 169
9.6.4 ASSET MAPPING AND MANAGEMENT 169
9.6.5 OTHER APPLICATIONS 169
9.7 AGRICULTURE AND FORESTRY 169
FIGURE 49 FARM INFRASTRUCTURE PLANNING AND DESIGN TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 170
TABLE 112 AGRICULTURE AND FORESTRY: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 170
TABLE 113 AGRICULTURE AND FORESTRY: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 171
TABLE 114 AGRICULTURE AND FORESTRY: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 171
TABLE 115 AGRICULTURE AND FORESTRY: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 171
9.7.1 PRECISION FARMING/AGRICULTURE 172
9.7.2 FARM INFRASTRUCTURE PLANNING AND DESIGN 172
9.7.3 CROP HEALTH MONITORING 172
9.7.4 SOIL ANALYSIS AND MANAGEMENT 173
9.7.5 AUTONOMOUS FARMING 173
9.7.6 OTHER APPLICATIONS 173
9.8 GOVERNMENT AND DEFENSE 174
FIGURE 50 EMERGENCY RESPONSE AND DISASTER MANAGEMENT TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 174
TABLE 116 GOVERNMENT AND DEFENSE: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 175
TABLE 117 GOVERNMENT AND DEFENSE: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 175
TABLE 118 GOVERNMENT AND DEFENSE: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 175
TABLE 119 GOVERNMENT AND DEFENSE: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 176
9.8.1 URBAN PLANNING AND GIS 176
9.8.2 EMERGENCY RESPONSE AND DISASTER MANAGEMENT 177
9.8.3 CULTURAL HERITAGE PRESERVATION 177
9.8.4 MILITARY SIMULATION AND TRAINING 178
9.8.5 OTHER APPLICATIONS 178
9.9 HEALTHCARE AND LIFE SCIENCES 178
FIGURE 51 SURGICAL PLANNING AND SIMULATION TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD 179
TABLE 120 HEALTHCARE AND LIFE SCIENCES: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2017-2022 (USD MILLION) 180
TABLE 121 HEALTHCARE AND LIFE SCIENCES: 3D MAPPING AND MODELING MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 180

TABLE 122 HEALTHCARE AND LIFE SCIENCES: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 180
TABLE 123 HEALTHCARE AND LIFE SCIENCES: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 181
9.9.1 MEDICAL IMAGING AND VISUALIZATION 181
9.9.2 SURGICAL PLANNING AND SIMULATION 182
9.9.3 PROSTHETICS AND IMPLANTS 182
9.9.4 ANATOMICAL EDUCATION AND TRAINING 183
9.9.5 OTHER APPLICATIONS 183
9.10 OTHER VERTICALS 183
TABLE 124 OTHER VERTICALS: 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 184
TABLE 125 OTHER VERTICALS: 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 184
9.10.1 RETAIL AND E-COMMERCE 184
9.10.2 TRAVEL AND TOURISM 185
9.10.3 TELECOM 185
10 3D MAPPING AND MODELING MARKET, BY REGION 186
10.1 INTRODUCTION 187
FIGURE 52 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 187
FIGURE 53 INDIA TO BE FASTEST-GROWING REGION DURING FORECAST PERIOD 188
TABLE 126 3D MAPPING AND MODELING MARKET, BY REGION, 2017-2022 (USD MILLION) 188
TABLE 127 3D MAPPING AND MODELING MARKET, BY REGION, 2023-2028 (USD MILLION) 189
10.2 NORTH AMERICA 189
10.2.1 3D MAPPING AND MODELING MARKET DRIVERS 190
10.2.2 RECESSION IMPACT ANALYSIS 190
FIGURE 54 NORTH AMERICA: 3D MAPPING AND MODELING MARKET SNAPSHOT 191
TABLE 128 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY OFFERING, 2017-2022 (USD MILLION) 191
TABLE 129 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY OFFERING, 2023-2028 (USD MILLION) 192
TABLE 130 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY SOFTWARE, 2017-2022 (USD MILLION) 192
TABLE 131 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY SOFTWARE, 2023-2028 (USD MILLION) 192
TABLE 132 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY 3D MAPPING SOFTWARE, 2017-2022 (USD MILLION) 193
TABLE 133 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY 3D MAPPING SOFTWARE, 2023-2028 (USD MILLION) 193
TABLE 134 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY 3D MODELING SOFTWARE, 2017-2022 (USD MILLION) 193
TABLE 135 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY 3D MODELING SOFTWARE, 2023-2028 (USD MILLION) 194
TABLE 136 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY SERVICE, 2017-2022 (USD MILLION) 194
TABLE 137 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY SERVICE, 2023-2028 (USD MILLION) 194
TABLE 138 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY PROFESSIONAL SERVICE, 2017-2022 (USD MILLION) 195
TABLE 139 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY PROFESSIONAL SERVICE, 2023-2028 (USD MILLION) 195
TABLE 140 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY TECHNOLOGY, 2017-2022 (USD MILLION) 195
TABLE 141 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY TECHNOLOGY, 2023-2028 (USD MILLION) 196
TABLE 142 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY DEPLOYMENT MODE, 2017-2022 (USD MILLION) 196
TABLE 143 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY DEPLOYMENT MODE, 2023-2028 (USD MILLION) 196
TABLE 144 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY VERTICAL, 2017-2022 (USD MILLION) 197
TABLE 145 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY VERTICAL, 2023-2028 (USD MILLION) 197
TABLE 146 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY COUNTRY, 2017-2022 (USD MILLION) 198
TABLE 147 NORTH AMERICA: 3D MAPPING AND MODELING MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 198
10.2.3 US 198
10.2.3.1 Smart city initiatives and infrastructure development programs to drive growth 198
10.2.4 CANADA 199
10.2.4.1 Emphasis on research and development to drive growth 199

10.3 EUROPE 199
10.3.1 3D MAPPING AND MODELING MARKET DRIVERS 200
10.3.2 RECESSION IMPACT ANALYSIS 200
TABLE 148 EUROPE: 3D MAPPING AND MODELING MARKET, BY OFFERING, 2017-2022 (USD MILLION) 201
TABLE 149 EUROPE: 3D MAPPING AND MODELING MARKET, BY OFFERING, 2023-2028 (USD MILLION) 201
TABLE 150 EUROPE: 3D MAPPING AND MODELING MARKET, BY SOFTWARE, 2017-2022 (USD MILLION) 201
TABLE 151 EUROPE: 3D MAPPING AND MODELING MARKET, BY SOFTWARE, 2023-2028 (USD MILLION) 202
TABLE 152 EUROPE: 3D MAPPING AND MODELING MARKET, BY 3D MAPPING SOFTWARE, 2017-2022 (USD MILLION) 202
TABLE 153 EUROPE: 3D MAPPING AND MODELING MARKET, BY 3D MAPPING SOFTWARE, 2023-2028 (USD MILLION) 202
TABLE 154 EUROPE: 3D MAPPING AND MODELING MARKET, BY 3D MODELING SOFTWARE, 2017-2022 (USD MILLION) 203
TABLE 155 EUROPE: 3D MAPPING AND MODELING MARKET, BY 3D MODELING SOFTWARE, 2023-2028 (USD MILLION) 203
TABLE 156 EUROPE: 3D MAPPING AND MODELING MARKET, BY SERVICE, 2017-2022 (USD MILLION) 203
TABLE 157 EUROPE: 3D MAPPING AND MODELING MARKET, BY SERVICE, 2023-2028 (USD MILLION) 204
TABLE 158 EUROPE: 3D MAPPING AND MODELING MARKET, BY PROFESSIONAL SERVICE, 2017-2022 (USD MILLION) 204
TABLE 159 EUROPE: 3D MAPPING AND MODELING MARKET, BY PROFESSIONAL SERVICE, 2023-2028 (USD MILLION) 204
TABLE 160 EUROPE: 3D MAPPING AND MODELING MARKET, BY TECHNOLOGY, 2017-2022 (USD MILLION) 205
TABLE 161 EUROPE: 3D MAPPING AND MODELING MARKET, BY TECHNOLOGY, 2023-2028 (USD MILLION) 205
TABLE 162 EUROPE: 3D MAPPING AND MODELING MARKET, BY DEPLOYMENT MODE, 2017-2022 (USD MILLION) 205
TABLE 163 EUROPE: 3D MAPPING AND MODELING MARKET, BY DEPLOYMENT MODE, 2023-2028 (USD MILLION) 206
TABLE 164 EUROPE: 3D MAPPING AND MODELING MARKET, BY VERTICAL, 2017-2022 (USD MILLION) 206
TABLE 165 EUROPE: 3D MAPPING AND MODELING MARKET, BY VERTICAL, 2023-2028 (USD MILLION) 207
TABLE 166 EUROPE: 3D MAPPING AND MODELING MARKET, BY COUNTRY, 2017-2022 (USD MILLION) 207
TABLE 167 EUROPE: 3D MAPPING AND MODELING MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 208
10.3.3 UK 208
10.3.3.1 Strategic location and robust infrastructure to drive growth 208
10.3.4 GERMANY 209
10.3.4.1 Presence of leading technology companies to drive growth 209
10.3.5 FRANCE 209
10.3.5.1 Focus on infrastructure development to drive growth 209
10.3.6 ITALY 209
10.3.6.1 Booming tourism industry to drive growth 209
10.3.7 SPAIN 210
10.3.7.1 High demand for advanced geospatial solutions to drive growth 210
10.3.8 REST OF EUROPE 210

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