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Digital Twins in Healthcare Market by Component (Software, Services), Application (Personalized Medicine, Drug Discovery, Medical Education, Workflow Optimization), End User (Providers, Research & Academia, Payers), and Region - Global Forecast to 2028

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Abstracts

The global digital twin healthcare market is projected to reach USD 21.1 billion by 2028 from USD 1.6 billion in 2023, at a high CAGR of 67.0% during the forecast period. The technological advancements in digital twins supporting various healthcare applications and the growing adoption of digital twin technology in emerging markets will provide lucrative opportunities to the market during the forecast period.

“Personalized medicine segment accounted for a substantial share of the digital twins in healthcare market, by Application in 2022.”

In 2022, the personalized medicine segment accounted for a substantial share of the digital twins in healthcare market. The growth of this segment is attributed to its ability to improved patient modeling, minimized risk factors, and enhanced patient outcomes, making it a highly prominent application in the healthcare industry. Personalized medicine also offers an undistinguished advantage of tailoring treatments to individual patients based on their unique characteristics and hence optimizing therapeutic interventions, increasing the likelihood of successful outcomes.

“Healthcare Providers segment accounted for a considerable share in the digital twins in healthcare market, by end user in 2022”

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In 2022, the healthcare providers segment accounted for a significant share of the digital twins in healthcare market. The healthcare provider segment dominates the digital twin healthcare market due to its vital role in workflow management and surgical planning. Digital twins also offers various additional advantages such as accurate patient modeling, personalized treatment planning, and monitoring, leading to improved clinical decision-making and patient outcomes.

“Asia Pacific to witness the substantial growth rate during the forecast period.”

The Asia Pacific market is projected to grow at the highest CAGR during the forecast period. Factors such as growing demand for advanced technologies such as increased adoption of technologies such as IoT, telemedicine, government initiatives, digital twin for research & genomics purposes, growing awareness and adoption of digital twin in emerging regions, growing medical tourism, and improving healthcare infrastructure.

The break-down of primary participants is as mentioned below:

By Company Type - Tier 1: 45%, Tier 2: 30%, and Tier 3: 25%

By Designation - C-level: 42%, Director-level: 31%, and Others: 27%

By Region - North America: 32%, Europe: 32%, Asia Pacific: 26%, Rest of the World: 10%

Key Players in the Digital twins in the Healthcare Market

The key players operating in the digital twin in healthcare market include Siemens Healthineers AG (Germany), Dassault Syst?mes (France), Microsoft (US), Koninklijke Philips N.V. (Netherlands), Faststream Technologies (US), Twin LTD (US), IBM (US), NVIDIA Corporation (US), GE Healthcare (US), NUREA (France), ANSYS, Inc. (US), Rescale, Inc. (US), Predictiv (US), Verto Health (Canada), PrediSurge (France), Qbio (US), Virtonomy GmbH (Germany), Unlearn AI (US), Atos SE (France), ThoughtWire (Canada), Amazon Web Services, Inc.(US), Oracle(US), PTC (US), SAP (Germany), Sim and Cure (France).

Research Coverage:

The report analyzes the Digital Twins in Healthcare Market and aims to estimate the

market size and future growth potential of various market segments, based on components, application, end user, and region. The report also provides a competitive analysis of the key players operating in this market, along with their company profiles, product offerings, recent developments, and key market strategies.

Reasons to Buy the Report

This report will enrich established firms as well as new entrants/smaller firms to gauge the pulse of the market, which, in turn, would help them garner a greater share of the market. Firms purchasing the report could use one or a combination of the below-mentioned strategies to strengthen their positions in the market.

This report provides insights on:

Analysis of key drivers (increasing Investments in digital twins in developed as well as emerging technology adoption, rising demand for personalized medicine, increasing funding and investments in digital twin startups), restraints (accuracy and privacy issues with digital twin systems and high implementation costs), opportunities (growing importance of digital twin Iin emerging market, increasing focus on cutting edge real-time data analytics), and challenges (lack of technical expertise & data management issues) influencing the growth of the digital twin market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the digital twins in healthcare market.

Market Development: Comprehensive information on the lucrative emerging markets, component, application, end-user, and region.

Market Diversification: Exhaustive information about the product portfolios, growing geographies, recent developments, and investments in the digital twins in healthcare market

Competitive Assessment: In-depth assessment of market shares, growth strategies, product offerings, and capabilities of the leading players in the digital twins in healthcare market like Siemens Healthineers AG (Germany), Dassault Syst?mes (France), Microsoft (US), Koninklijke Philips N.V. (Netherlands), Faststream Technologies (US), IBM (US), NVIDIA Corporation (US), GE

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Healthcare (US).

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Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES
1.2 MARKET DEFINITION
TABLE 1 INCLUSIONS & EXCLUSIONS
1.3 STUDY SCOPE
FIGURE 1 DIGITAL TWINS IN HEALTHCARE MARKET SEGMENTATION
1.3.1 DIGITAL TWINS IN HEALTHCARE MARKET, BY REGION
1.3.2 YEARS CONSIDERED
1.4 CURRENCY
TABLE 2 EXCHANGE RATES UTILIZED FOR CONVERSION TO USD
1.5 STAKEHOLDERS
1.6 LIMITATIONS
1.7 IMPACT OF RECESSION

2 RESEARCH METHODOLOGY

2.1 RESEARCH APPROACH
FIGURE 2 RESEARCH DESIGN
2.1.1 SECONDARY RESEARCH
2.1.1.1 Key data from secondary sources
2.1.2 PRIMARY RESEARCH
FIGURE 3 PRIMARY SOURCES
2.1.2.1 Key data from primary sources
2.1.2.2 Breakdown of primaries
FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION
2.1.2.3 Insights from primary experts
2.2 MARKET SIZE ESTIMATION
FIGURE 5 BOTTOM-UP APPROACH
FIGURE 6 TOP-DOWN APPROACH
FIGURE 7 CAGR PROJECTIONS FROM ANALYSIS OF MARKET DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES OF DIGITAL TWINS IN HEALTHCARE INDUSTRY
FIGURE 8 CAGR PROJECTIONS: SUPPLY-SIDE ANALYSIS
2.3 MARKET BREAKDOWN DATA TRIANGULATION
FIGURE 9 DATA TRIANGULATION METHODOLOGY

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2.4 MARKET SHARE ESTIMATION
2.5 STUDY ASSUMPTIONS
2.6 RESEARCH LIMITATIONS
2.6.1 METHODOLOGY-RELATED LIMITATIONS
2.7 RISK ASSESSMENT
TABLE 3 RISK ASSESSMENT: DIGITAL TWINS IN HEALTHCARE MARKET
2.8 IMPACT OF RECESSION ON DIGITAL TWINS IN HEALTHCARE MARKET

3 EXECUTIVE SUMMARY

FIGURE 10 DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2023 VS. 2028 (USD MILLION)
FIGURE 11 DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2023 VS. 2028 (USD MILLION)
FIGURE 12 DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2023 VS. 2028 (USD MILLION)
FIGURE 13 GEOGRAPHICAL SNAPSHOT OF DIGITAL TWINS IN HEALTHCARE MARKET

4 PREMIUM INSIGHTS

4.1 DIGITAL TWINS IN HEALTHCARE MARKET OVERVIEW
FIGURE 14 INCREASING USE OF DIGITAL TWINS AND GROWING IMPORTANCE OF PATIENT-CENTRIC CARE IN HEALTHCARE TO DRIVE MARKET GROWTH
4.2 ASIA PACIFIC: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT AND COUNTRY
FIGURE 15 SOFTWARE SEGMENT TO COMMAND LARGEST SHARE OF ASIA PACIFIC MARKET IN 2023
4.3 GEOGRAPHIC SNAPSHOT OF DIGITAL TWINS IN HEALTHCARE MARKET
FIGURE 16 MARKET IN CHINA TO GROW AT HIGHEST CAGR DURING FORECAST PERIOD
4.4 REGIONAL MIX: DIGITAL TWINS IN HEALTHCARE MARKET
FIGURE 17 ASIA PACIFIC TO WITNESS HIGHEST GROWTH DURING FORECAST PERIOD
4.5 DIGITAL TWINS IN HEALTHCARE MARKET: DEVELOPED VS. DEVELOPING ECONOMIES
FIGURE 18 DEVELOPING ECONOMIES TO REGISTER HIGHER GROWTH RATES DURING FORECAST PERIOD

+44 20 8123 2220
info@marketpublishers.com

5 MARKET OVERVIEW

5.1 INTRODUCTION
5.2 MARKET DYNAMICS
FIGURE 19 DIGITAL TWINS IN HEALTHCARE MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES
TABLE 4 MARKET DYNAMICS: DIGITAL TWINS IN HEALTHCARE MARKET
5.2.1 MARKET DRIVERS
5.2.1.1 Increasing investments by public and private entities
5.2.1.2 Growing applications of digital twins
5.2.1.3 Technological advancements
5.2.1.4 Growing funding and investments in digital twin start-ups
5.2.2 RESTRAINTS
5.2.2.1 Managing data quality, privacy issues, and high implementation costs
5.2.3 OPPORTUNITIES
5.2.3.1 Increasing focus on cutting-edge real-time data analytics
5.2.3.2 Growing importance of digital twins in emerging economies
5.2.4 CHALLENGES
5.2.4.1 Lack of skilled professionals
5.2.4.2 Integration with existing systems and outdated digital infrastructure

6 INDUSTRY INSIGHTS

6.1 INDUSTRY TRENDS
6.1.1 TRANSFORMATION IN CLINICAL TRIALS
6.1.2 REVOLUTIONIZING MEDICAL TRAINING AND DIAGNOSTICS
6.1.3 IMPROVING OPERATIONAL EFFICIENCY IN HOSPITALS
6.2 TECHNOLOGY ANALYSIS
6.2.1 TECHNOLOGY STACK
FIGURE 20 DIGITAL TWIN TECHNOLOGIES
6.2.1.1 5G networks
6.2.1.2 Internet of Things
6.2.1.3 Cloud and edge computing
6.2.1.4 Blockchain
6.2.1.5 Augmented reality, virtual reality, and mixed reality
6.2.1.6 Artificial intelligence and machine learning
6.3 PORTER’S FIVE FORCES ANALYSIS
FIGURE 21 DIGITAL TWINS IN HEALTHCARE MARKET: PORTER’S FIVE FORCES ANALYSIS

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TABLE 5 DIGITAL TWINS IN HEALTHCARE MARKET: PORTER'S FIVE FORCES ANALYSIS
6.3.1 INTENSITY OF COMPETITIVE RIVALRY
6.3.2 BARGAINING POWER OF SUPPLIERS
6.3.3 BARGAINING POWER OF BUYERS
6.3.4 THREAT OF NEW ENTRANTS
6.3.5 THREAT OF SUBSTITUTES
6.4 REGULATORY LANDSCAPE
6.4.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
TABLE 6 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
TABLE 7 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
TABLE 8 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
TABLE 9 REST OF THE WORLD: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS
TABLE 10 DIGITAL TWINS IN HEALTHCARE MARKET: REGULATORY STANDARDS
6.5 VALUE CHAIN ANALYSIS
FIGURE 22 VALUE CHAIN ANALYSIS (2022)
6.5.1 PLANNING & REVISING FUNDS
6.5.2 RESEARCH & DEVELOPMENT
6.5.3 SOFTWARE DESIGN, FRAMEWORK, AND DEVELOPMENT
6.5.4 PRODUCT/SOLUTION PROVIDERS
6.5.5 END USERS AND AFTER-SALES SERVICE PROVIDERS
6.6 ECOSYSTEM/MARKET MAP
FIGURE 23 DIGITAL TWINS IN HEALTHCARE MARKET: ECOSYSTEM
6.7 PATENT ANALYSIS
FIGURE 24 NUMBER OF PATENTS PUBLISHED, JANUARY 2013 TO MARCH 2023
FIGURE 25 TOP PATENT OWNERS IN DIGITAL TWINS IN HEALTHCARE MARKET
TABLE 11 KEY PATENTS IN DIGITAL TWINS IN HEALTHCARE MARKET
6.8 ADJACENT MARKET ANALYSIS
FIGURE 26 METAVERSE IN HEALTHCARE MARKET: MARKET OVERVIEW
6.9 CASE STUDY ANALYSIS
6.10 KEY STAKEHOLDERS & BUYING CRITERIA
6.10.1 KEY STAKEHOLDERS IN BUYING PROCESS
FIGURE 27 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS
TABLE 12 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS (%)

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info@marketpublishers.com

6.10.2 BUYING CRITERIA
FIGURE 28 KEY BUYING CRITERIA FOR DIGITAL TWIN COMPONENTS
TABLE 13 KEY BUYING CRITERIA FOR DIGITAL TWIN COMPONENTS
6.11 KEY CONFERENCES & EVENTS, 2023–2024
TABLE 14 DIGITAL TWINS IN HEALTHCARE MARKET: DETAILED LIST OF CONFERENCES & EVENTS
6.12 TRENDS/DISRUPTIONS IMPACTING BUYERS
FIGURE 29 DIGITAL TWINS IN HEALTHCARE MARKET: TRENDS/DISRUPTIONS IMPACTING BUYERS

7 DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT

7.1 INTRODUCTION
TABLE 15 DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
7.2 SERVICES
7.2.1 INTRODUCTION OF COMPLEX SOFTWARE TO DRIVE DEMAND FOR SERVICES
TABLE 16 DIGITAL TWINS IN HEALTHCARE SERVICES MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
7.3 SOFTWARE
7.3.1 SHIFT TO WEB/CLOUD-BASED MODELS TO SUPPORT GROWTH
TABLE 17 KEY SOFTWARE SOLUTIONS OFFERED BY MARKET PLAYERS
TABLE 18 DIGITAL TWINS IN HEALTHCARE SOFTWARE MARKET, BY COUNTRY, 2021–2028 (USD MILLION)

8 DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION

8.1 INTRODUCTION
TABLE 19 DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
8.2 DRUG DISCOVERY & DEVELOPMENT
8.2.1 ABILITY OF DIGITAL TWINS TO ENHANCE DRUG DISCOVERY & DEVELOPMENT TO BOOST MARKET
TABLE 20 DIGITAL TWINS IN HEALTHCARE MARKET FOR DRUG DISCOVERY & DEVELOPMENT, BY COUNTRY, 2021–2028 (USD MILLION)
8.3 PERSONALIZED MEDICINE
8.3.1 QUICK AND COST-EFFECTIVE DEVELOPMENT AND TESTING OF PERSONALIZED DIAGNOSTICS TO SUPPORT MARKET

+44 20 8123 2220
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TABLE 21 DIGITAL TWINS IN HEALTHCARE MARKET FOR PERSONALIZED MEDICINE, BY COUNTRY, 2021–2028 (USD MILLION)
8.4 SURGICAL PLANNING & MEDICAL EDUCATION
8.4.1 ABILITY OF DIGITAL TWINS TO ENHANCE SURGICAL TRAINING AND SIMULATE SURGICAL PROCEDURES TO BOOST ADOPTION
TABLE 22 DIGITAL TWINS IN HEALTHCARE MARKET FOR SURGICAL PLANNING & MEDICAL EDUCATION, BY COUNTRY, 2021–2028 (USD MILLION)
8.5 MEDICAL DEVICE DESIGN & TESTING
8.5.1 POTENTIAL OF DIGITAL TWINS TO STREAMLINE OPERATIONS, MINIMIZE RISK, AND REDUCE DOWNTIME TO PROMOTE USE
TABLE 23 DIGITAL TWINS IN HEALTHCARE MARKET FOR MEDICAL DEVICE DESIGN & TESTING, BY COUNTRY, 2021–2028 (USD MILLION)
8.6 HEALTHCARE WORKFLOW OPTIMIZATION & ASSET MANAGEMENT
8.6.1 ADVANTAGES SUCH AS IMPROVED EFFICIENCY AND VALUABLE INSIGHTS TO SUPPORT DEMAND
TABLE 24 DIGITAL TWINS IN HEALTHCARE MARKET FOR HEALTHCARE WORKFLOW OPTIMIZATION & ASSET MANAGEMENT, BY COUNTRY, 2021–2028 (USD MILLION)
8.7 OTHER APPLICATIONS
TABLE 25 DIGITAL TWINS IN HEALTHCARE MARKET FOR OTHER APPLICATIONS, BY COUNTRY, 2021–2028 (USD MILLION)

9 DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER

9.1 INTRODUCTION
TABLE 26 DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
9.2 PHARMA & BIOPHARMA COMPANIES
9.2.1 RISING DEMAND FOR SOLUTIONS TO REDUCE TIME AND COST OF DRUG DEVELOPMENT TO BOOST ADOPTION
TABLE 27 DIGITAL TWINS IN HEALTHCARE MARKET FOR PHARMA & BIOPHARMA COMPANIES, BY COUNTRY, 2021–2028 (USD MILLION)
9.3 RESEARCH & ACADEMIA
9.3.1 INTERACTIVE AND IMMERSIVE LEARNING EXPERIENCES OFFERED BY DIGITAL TWINS TO BOOST ADOPTION
TABLE 28 DIGITAL TWINS IN HEALTHCARE MARKET FOR RESEARCH & ACADEMIA, BY COUNTRY, 2021–2028 (USD MILLION)
9.4 HEALTHCARE PROVIDERS
9.4.1 LOWER COSTS AND BETTER PATIENT TREATMENT TO FAVOR MARKET

GROWTH
TABLE 29 DIGITAL TWINS IN HEALTHCARE MARKET FOR HEALTHCARE PROVIDERS, BY COUNTRY, 2021–2028 (USD MILLION)
9.5 MEDICAL DEVICE COMPANIES
9.5.1 GROWING USE OF DIGITAL TWINS FOR SOFTWARE OPTIMIZATION OF MEDICAL DEVICES TO FUEL GROWTH
TABLE 30 DIGITAL TWINS IN HEALTHCARE MARKET FOR MEDICAL DEVICE COMPANIES, BY COUNTRY, 2021–2028 (USD MILLION)
9.6 OTHER END USERS
TABLE 31 DIGITAL TWINS IN HEALTHCARE MARKET FOR OTHER END USERS, BY COUNTRY, 2021–2028 (USD MILLION)

10 DIGITAL TWINS IN HEALTHCARE MARKET, BY REGION

10.1 INTRODUCTION
TABLE 32 DIGITAL TWINS IN HEALTHCARE MARKET, BY REGION, 2021–2028 (USD MILLION)
10.2 NORTH AMERICA
FIGURE 30 NORTH AMERICA: DIGITAL TWINS IN HEALTHCARE MARKET SNAPSHOT
TABLE 33 NORTH AMERICA: DIGITAL TWINS IN HEALTHCARE MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
TABLE 34 NORTH AMERICA: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 35 NORTH AMERICA: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 36 NORTH AMERICA: DIGITAL TWINS IN MARKET, BY END USER, 2021–2028 (USD MILLION)
10.2.1 US
10.2.1.1 Expanding applications of digital twins in healthcare to bolster market growth
TABLE 37 US: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 38 US: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 39 US: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
10.2.2 CANADA
10.2.2.1 Growing investments in digital twin development to drive market
TABLE 40 CANADA: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT,

2021–2028 (USD MILLION)
TABLE 41 CANADA: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 42 CANADA: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
10.3 EUROPE
TABLE 43 EUROPE: DIGITAL TWINS IN HEALTHCARE MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
TABLE 44 EUROPE: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 45 EUROPE: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 46 EUROPE: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
10.3.1 GERMANY
10.3.1.1 Collaborations & partnerships to drive adoption of digital twins
TABLE 47 GERMANY: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 48 GERMANY: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 49 GERMANY: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
10.3.2 UK
10.3.2.1 Growing applications of digital twins to support growth
TABLE 50 UK: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 51 UK: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 52 UK: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
10.3.3 FRANCE
10.3.3.1 Growing government funding for digital twin development to bolster growth
TABLE 53 FRANCE: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 54 FRANCE: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 55 FRANCE: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
10.3.4 REST OF EUROPE

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TABLE 56 REST OF EUROPE: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 57 REST OF EUROPE: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 58 REST OF EUROPE: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
10.4 ASIA PACIFIC
FIGURE 31 ASIA PACIFIC: DIGITAL TWINS IN HEALTHCARE MARKET SNAPSHOT
TABLE 59 ASIA PACIFIC: DIGITAL TWINS IN HEALTHCARE MARKET, BY COUNTRY, 2021–2028 (USD MILLION)
TABLE 60 ASIA PACIFIC: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 61 ASIA PACIFIC: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 62 ASIA PACIFIC: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
10.4.1 JAPAN
10.4.1.1 Growing penetration of digital twin technologies to support market growth
TABLE 63 JAPAN: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 64 JAPAN: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 65 JAPAN: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
10.4.2 CHINA
10.4.2.1 China to register highest CAGR during forecast period
TABLE 66 CHINA: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 67 CHINA: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 68 CHINA: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)
10.4.3 REST OF ASIA PACIFIC
TABLE 69 REST OF ASIA PACIFIC: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 70 REST OF ASIA PACIFIC: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 71 REST OF ASIA PACIFIC: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)

+44 20 8123 2220
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10.5 REST OF THE WORLD
TABLE 72 REST OF THE WORLD: DIGITAL TWINS IN HEALTHCARE MARKET, BY COMPONENT, 2021–2028 (USD MILLION)
TABLE 73 REST OF THE WORLD: DIGITAL TWINS IN HEALTHCARE MARKET, BY APPLICATION, 2021–2028 (USD MILLION)
TABLE 74 REST OF THE WORLD: DIGITAL TWINS IN HEALTHCARE MARKET, BY END USER, 2021–2028 (USD MILLION)

11 COMPETITIVE LANDSCAPE

11.1 OVERVIEW
FIGURE 32 KEY DEVELOPMENTS OF MAJOR PLAYERS BETWEEN JANUARY 2020 AND MAY 2023
11.2 MARKET RANKING ANALYSIS
FIGURE 33 DIGITAL TWINS IN HEALTHCARE MARKET RANKING ANALYSIS, BY PLAYER, 2022
11.3 REVENUE SHARE ANALYSIS OF TOP MARKET PLAYERS
FIGURE 34 DIGITAL TWINS IN HEALTHCARE MARKET: REVENUE ANALYSIS OF KEY PLAYERS
11.4 DIGITAL TWINS IN HEALTHCARE MARKET: R&D EXPENDITURE
FIGURE 35 R&D EXPENDITURE OF KEY PLAYERS (2021 VS. 2022)
11.5 COMPETITIVE BENCHMARKING
TABLE 75 FOOTPRINT OF COMPANIES IN DIGITAL TWINS IN HEALTHCARE MARKET
TABLE 76 COMPANY COMPONENT FOOTPRINT (20 COMPANIES)
TABLE 77 COMPANY APPLICATION FOOTPRINT (20 COMPANIES)
TABLE 78 COMPANY REGIONAL FOOTPRINT (20 COMPANIES)
11.6 COMPANY EVALUATION QUADRANT
  11.6.1 STARS
  11.6.2 EMERGING LEADERS
  11.6.3 PERVASIVE PLAYERS
  11.6.4 PARTICIPANTS
FIGURE 36 DIGITAL TWINS IN HEALTHCARE MARKET: COMPANY EVALUATION QUADRANT (2022)
11.7 COMPANY EVALUATION MATRIX FOR START-UPS/SMES
  11.7.1 PROGRESSIVE COMPANIES
  11.7.2 DYNAMIC COMPANIES
  11.7.3 RESPONSIVE COMPANIES
  11.7.4 STARTING BLOCKS

+44 20 8123 2220
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FIGURE 37 DIGITAL TWINS IN HEALTHCARE MARKET: COMPANY EVALUATION MATRIX FOR START-UPS/SMES (2022)
11.8 COMPETITIVE SCENARIO
11.8.1 PRODUCT/SERVICE LAUNCHES & APPROVALS
TABLE 79 PRODUCT/SERVICE LAUNCHES & APPROVALS, JANUARY 2020– MAY 2023
11.8.2 DEALS
TABLE 80 DEALS, JANUARY 2020– MAY 2023

12 COMPANY PROFILES

12.1 KEY PLAYERS
(Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats))*
12.1.1 MICROSOFT
TABLE 81 MICROSOFT: BUSINESS OVERVIEW
FIGURE 38 MICROSOFT: COMPANY SNAPSHOT (2022)
12.1.2 SIEMENS HEALTHINEERS AG
TABLE 82 SIEMENS HEALTHINEERS AG: BUSINESS OVERVIEW
FIGURE 39 SIEMENS HEALTHINEERS AG: COMPANY SNAPSHOT (2022)
12.1.3 KONINKLIJKE PHILIPS N.V.
TABLE 83 KONINKLIJKE PHILIPS N.V.: BUSINESS OVERVIEW
FIGURE 40 KONINKLIJKE PHILIPS N.V.: COMPANY SNAPSHOT (2022)
12.1.4 AMAZON (AWS)
TABLE 84 AMAZON: BUSINESS OVERVIEW
FIGURE 41 AMAZON: COMPANY SNAPSHOT (2022)
12.1.5 DASSAULT SYST?MES
TABLE 85 DASSAULT SYST?MES: BUSINESS OVERVIEW
FIGURE 42 DASSAULT SYST?MES: COMPANY SNAPSHOT (2022)
12.1.6 GE HEALTHCARE
TABLE 86 GE HEALTHCARE: BUSINESS OVERVIEW
FIGURE 43 GE HEALTHCARE: COMPANY SNAPSHOT (2022)
12.1.7 ORACLE
TABLE 87 ORACLE: BUSINESS OVERVIEW
FIGURE 44 ORACLE: COMPANY SNAPSHOT (2022)
12.1.8 IBM
TABLE 88 IBM: BUSINESS OVERVIEW
FIGURE 45 IBM: COMPANY SNAPSHOT (2022)

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12.1.9 PTC
TABLE 89 PTC: BUSINESS OVERVIEW
FIGURE 46 PTC: COMPANY SNAPSHOT (2022)
12.1.10 SAP
TABLE 90 SAP: BUSINESS OVERVIEW
FIGURE 47 SAP: COMPANY SNAPSHOT (2022)
12.1.11 ATOS SE
TABLE 91 ATOS SE: BUSINESS OVERVIEW
FIGURE 48 ATOS SE: COMPANY SNAPSHOT (2022)
12.1.12 NVIDIA CORPORATION
TABLE 92 NVIDIA CORPORATION: BUSINESS OVERVIEW
FIGURE 49 NVIDIA CORPORATION: COMPANY SNAPSHOT (2022)
12.1.13 ANSYS INC.
TABLE 93 ANSYS INC.: BUSINESS OVERVIEW
FIGURE 50 ANSYS INC.: COMPANY SNAPSHOT (2022)
12.1.14 FASTSTREAM TECHNOLOGIES
TABLE 94 FASTSTREAM TECHNOLOGIES: BUSINESS OVERVIEW
12.1.15 RESCALE, INC.
TABLE 95 RESCALE, INC.: BUSINESS OVERVIEW
12.2 OTHER PLAYERS
12.2.1 TWIN LTD.
TABLE 96 TWIN LTD.: BUSINESS OVERVIEW
12.2.2 VERTO HEALTH
TABLE 97 VERTO HEALTH: BUSINESS OVERVIEW
12.2.3 QBIO
TABLE 98 QBIO: BUSINESS OVERVIEW
12.2.4 THOUGHTWIRE
TABLE 99 THOUGHTWIRE: BUSINESS OVERVIEW
12.2.5 SIM AND CURE
TABLE 100 SIM AND CURE: BUSINESS OVERVIEW
12.2.6 PREDICTIV
TABLE 101 PREDICTIV: BUSINESS OVERVIEW
12.2.7 NUREA
TABLE 102 NUREA: BUSINESS OVERVIEW
12.2.8 UNLEARN.AI
TABLE 103 UNLEARN.AI: BUSINESS OVERVIEW
12.2.9 VIRTONOMY GMBH
TABLE 104 VIRTONOMY GMBH: BUSINESS OVERVIEW
12.2.10 PREDISURGE

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TABLE 105 PREDISURGE: BUSINESS OVERVIEW
*Details on Business Overview, Products Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

13 APPENDIX

13.1 DISCUSSION GUIDE
13.2 KNOWLEDGESTORE: MARKETSANDMARKETS’ SUBSCRIPTION PORTAL
13.3 CUSTOMIZATION OPTIONS
13.4 RELATED REPORTS
13.5 AUTHOR DETAILS

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