

Military Simulation and Training Market by Application (Army, Aviation, Naval), Type (Live, Virtual, Constructive), Platform (Land, Maritime, Airborne), Solution, Environment (Synthetic, Gaming), Technology & Region - Global Forecast to 2027

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Abstracts

The Military Simulation and Training market size is forecasted to grow from an estimated USD 9.2 billion in 2022 to reach USD 12.2 billion by 2027, at a CAGR of 5.6% from 2022 to 2027. Increasing defense spending in the world and new technological developments to help strengthen military capabilities and efficiency is expected to drive the market for Military Simulation and Training across the globe. Increasing geopolitical tensions across regions and overall strengthening activities across the world is triggering the defense spending across these regions. This, in turn, is pushing manufacturers and system component providers to design and manufacture more high technology, high resolution, military simulators for defense personnel to get trained upon.

The COVID-19 pandemic has caused significant damage to the economic activities of countries across the world. The manufacture of digital battlefield products, including systems, subsystems, and components, has also been impacted. Although military simulation and training products for defense applications are of prime importance, disruptions in the supply chain have halted their manufacturing processes for the time being. Resuming manufacturing activities depends on COVID-19 exposure, the level at which manufacturing operations are running, and import-export regulations, among other factors. While companies may still take orders, delivery schedules may not be fixed. Most key players in the Military Simulation and Training market like Lockheed Martin Corporation (US), Raytheon Technologies (US), and Rheinmetall AG (Germany) have declared that business has largely be returned to normal but acknowledged the

impact of cost and schedules on most programs.

Based on platform, the land segment of the Military Simulation and Training market is projected to grow at the highest CAGR is expected to account for the largest market share during the forecasted period.

Based on platform, the land segment is expected to grow at the highest CAGR of 6.2% during the forecast period. The growth in demand for military vehicles across the land, sea, and aerial platforms would drive the market growth. Several countries are modernizing their military fleets by inducting newer generation vehicle platforms. This is generating a simultaneous demand for simulation-based training for the military personnel on these platforms, thereby propelling the market prospects of the related military simulators.

Based on Application, Aviation makes the largest share of the market during the forecasted year.

The aviation segment is expected to have a larger market share in the forecasted year. This is majorly due to the complexity and risk involved in aircraft compared to the other end users. For example, a single mistake by pilots on board a military aircraft while landing or take-off will cost the lives of people on board and result in the loss of sophisticated military property and compromise the mission. Such complexity has forced the military authorities to incorporate simulator-based training for pilots. Moreover, the increasing adoption of newer generation aircraft that incorporate complex technologies in the military may require training for pilots to familiarize themselves with the latest equipment and systems. In such situations, providing hands-on experience may be difficult due to high-cost involvement. In such cases, the simulators act as the preferred option

“North America is projected to makes the largest share of the market during the forecasted year.”

The rising orders to replace the old navy fleet with new ones from the US and Canada and the rise in export of goods are the major factors driving the demand for new ship commanders and crew. This also leads to increased demand for military training systems. According to Boeing Technician Outlook 2019, North America is anticipated to require more than 193,000 aircraft technicians and maintenance crew between 2019 and 2038. This is anticipated to fuel the demand for maintenance crew training across the region during the forecast period

This region is expected to lead the market from 2021 to 2026, owing to increased investments and the adoption of advanced military simulators for all the platforms by countries in this region.

The break-up of profile of primary participants in the Military Simulation and Training market:

By Company Type: Tier 1 – 49%, Tier 2 – 37%, and Tier 3 – 14%

By Designation: C Level – 55%, Director Level – 27%, and Others – 18%

By Region: North America – 55%, Europe – 27%, Asia Pacific – 9%, RoW – 9%

Key Players:

Raytheon Technologies (US), Rheinmetall AG (Germany), BAE Systems (US), Lockheed Martin Corporation (US).

Research Coverage:

This research report categorizes the Military Simulation and Training Market by Type (Live, Virtual, Constructive), by application (Aviation, Army, Naval), by platform (Land, Airborne, Naval), by Technology (IoT, 5G, Cloud computing & master data management, Digital twin, robotic process automation, artificial intelligence, big data analytics, AR & VR), By environment (synthetic, gaming), by solution (hardware, software, upgrades, maintenance & support) in these segments have been mapped across major regions, namely, North America, Europe, Asia Pacific, Middle East and Rest of the world (Africa, Latin America). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the Military Simulation and Training market. A detailed analysis of the key industry players has been done to provide insights into their business overviews; solutions and services; key strategies; agreements, collaborations, new product launches, contracts, expansion, acquisitions, and partnerships associated with the Military Simulation and Training market.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall Military Simulation and Training and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and to plan suitable go-to-market strategies. The report 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:

Market Penetration: Comprehensive information on Military Simulation and Training offered by the top players in the market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the Military Simulation and Training market

Market Development: Comprehensive information about lucrative markets – the report analyzes the Military Simulation and Training market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in Military Simulation and Training market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players in the Military Simulation and Training market

Contents

1 INTRODUCTION

1.1 OBJECTIVES OF THE STUDY

1.2 MARKET DEFINITION

1.3 STUDY SCOPE

FIGURE 1 MILITARY SIMULATION AND TRAINING SEGMENTATION

1.3.1 REGIONAL SCOPE

1.3.2 YEARS CONSIDERED FOR STUDY

1.4 CURRENCY & PRICING

1.5 USD EXCHANGE RATES

1.6 LIMITATIONS

1.7 INCLUSIONS & EXCLUSIONS

1.8 MARKET STAKEHOLDERS

1.9 SUMMARY OF CHANGES

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 MILITARY SIMULATION AND TRAINING MARKET: RESEARCH FLOW

FIGURE 3 MILITARY SIMULATION AND TRAINING MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Key data from secondary sources

2.1.1.2 Key data from primary sources

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

2.2 FACTOR ANALYSIS

2.2.1 INTRODUCTION

2.2.2 DEMAND-SIDE INDICATORS

2.2.2.1 Increase in conflicts and disputes globally

2.2.2.2 Rise in defense budgets of emerging economies

2.2.3 SUPPLY-SIDE INDICATORS

2.2.3.1 Financial trends of major US defense contractors

2.2.4 SEGMENT DEFINITIONS

2.2.4.1 Military simulation and training market, by type

2.2.4.2 Military simulation and training market, by technology

2.2.4.3 Military simulation and training market, by solution

2.2.4.4 Military simulation and training market, by platform

2.2.4.5 Military simulation and training market, by application

2.2.4.6 Military simulation and training market, by environment

FIGURE 4 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

2.3 RESEARCH APPROACH & METHODOLOGY

2.3.1 BOTTOM-UP APPROACH

FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.3.2 TOP-DOWN APPROACH

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.4 MARKET BREAKDOWN & DATA TRIANGULATION

FIGURE 7 DATA TRIANGULATION

FIGURE 8 ASSUMPTIONS OF RESEARCH STUDY

2.5 RISK ANALYSIS

3 EXECUTIVE SUMMARY

FIGURE 9 AVIATION SEGMENT PROJECTED TO DOMINATE MARKET DURING FORECAST PERIOD

FIGURE 10 LAND SEGMENT PROJECTED TO REGISTER HIGHEST CAGR DURING FORECASTED YEAR

FIGURE 11 VIRTUAL SEGMENT PROJECTED TO HAVE LARGEST SHARE DURING FORECAST PERIOD

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE OPPORTUNITIES IN MILITARY SIMULATION AND TRAINING MARKET, 2022–2027

FIGURE 12 INCREASING ADOPTION OF NEWER MILITARY AIRCRAFT SIMULATORS

4.2 MILITARY SIMULATION AND TRAINING MARKET, BY AIRBORNE PLATFORM

FIGURE 13 FIGHTER AIRCRAFT SIMULATORS TO BE IN GREATER DEMAND IN UPCOMING YEARS

4.3 MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY

FIGURE 14 MARKET IN INDIA TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

4.4 MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION TYPE

FIGURE 15 SOFTWARE SEGMENT TO ACCOUNT HIGHEST CAGR DURING FORECAST PERIOD

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET DYNAMICS

FIGURE 16 MILITARY SIMULATION AND TRAINING: MARKET DYNAMICS

5.2.1 DRIVERS

5.2.1.1 Acceptance of virtual pilot training to ensure aviation safety

FIGURE 17 GLOBAL MILITARY AIRCRAFT ACCIDENT, 2016—2021

5.2.1.2 Need for cost-cutting technique in pilot training

FIGURE 18 COMPARISON BETWEEN REAL-TIME AND SIMULATOR-BASED TRAINING BY TOP AIRCRAFT

5.2.1.3 Reduction in military budgets of developed economies

FIGURE 19 INCREASE/DECREASE IN MILITARY SPENDING, BY REGION

5.2.2 RESTRAINTS

5.2.2.1 Longer product lifecycle

5.2.2.2 Lack of interoperability

5.2.3 OPPORTUNITIES

5.2.3.1 Development of simulators for unmanned aerial systems (UAS)

FIGURE 20 REGION-WISE UAS DEVELOPMENT FUNDING, 2018

5.2.3.2 Simulators for air accident investigation

5.2.4 CHALLENGES

5.2.4.1 Stringent regulatory approvals

5.2.4.2 Minimization of weight and size to maintain advanced features

5.3 RANGES AND SCENARIOS

FIGURE 21 IMPACT OF COVID-19 ON MILITARY SIMULATION AND TRAINING MARKET: 3 GLOBAL SCENARIOS

5.4 COVID-19 IMPACT ON MILITARY SIMULATION AND TRAINING MARKET

FIGURE 22 COVID-19 IMPACT ON MILITARY SIMULATION AND TRAINING MARKET

5.4.1 KEY DEVELOPMENTS FROM JANUARY 2018 TO JUNE 2021

TABLE 1 KEY DEVELOPMENTS IN MILITARY SIMULATION AND TRAINING MARKET, 2018-2021

5.5 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESSES

5.5.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR MILITARY SIMULATION AND TRAINING MARKET

FIGURE 23 REVENUE SHIFT IN MILITARY SIMULATION AND TRAINING MARKET

5.6 AVERAGE SELLING PRICE ANALYSIS OF MILITARY SIMULATION AND TRAINING, 2020

TABLE 2 AVERAGE SELLING PRICE ANALYSIS OF MILITARY SIMULATION AND

TRAINING AND SUBSYSTEMS IN 2020

5.7 KEY CONFERENCES & EVENTS IN 2022-2023

TABLE 3 MILITARY SIMULATION AND TRAINING MARKET: DETAILED LIST OF CONFERENCES & EVENTS

5.8 MARKET ECOSYSTEM

5.8.1 PROMINENT COMPANIES

5.8.2 PRIVATE AND SMALL ENTERPRISES

5.8.3 END USERS

FIGURE 24 MILITARY SIMULATION AND TRAINING MARKET ECOSYSTEM MAP

TABLE 4 INDUSTRY TRENDS: MILITARY SIMULATION AND TRAINING MARKET ECOSYSTEM

5.9 TECHNOLOGY ANALYSIS

5.9.1 SMART SIMULATION WITH DIGITAL TWIN

5.9.2 SIMULATION IN IOT

5.9.3 SMART SIMULATION WITH AUGMENTED REALITY (AR) AND VIRTUAL REALITY (VR)

5.10 USE CASE ANALYSIS

5.10.1 USE CASE: REMOTELY COLLABORATING ON DEFENSE PROJECTS

5.10.2 USE CASE: MAINTAINING DEFENSE AND ENGINEERING EQUIPMENT

5.10.3 USE CASE: MILITARY VEHICLE SIMULATION AND TRAINING

5.10.4 USE CASE: MILITARY AIRCRAFT SIMULATION AND TRAINING

5.11 VALUE CHAIN ANALYSIS OF MILITARY SIMULATION AND TRAINING MARKET

FIGURE 25 VALUE CHAIN ANALYSIS

5.12 PORTER'S FIVE FORCES ANALYSIS

TABLE 5 MILITARY SIMULATION AND TRAINING MARKET: PORTER'S FIVE FORCES

5.12.1 THREAT OF NEW ENTRANTS

5.12.2 THREAT OF SUBSTITUTES

5.12.3 BARGAINING POWER OF SUPPLIERS

5.12.4 BARGAINING POWER OF BUYERS

5.12.5 DEGREE OF COMPETITION

5.13 KEY STAKEHOLDERS & BUYING CRITERIA

5.13.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 26 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 3 APPLICATIONS

TABLE 6 INFLUENCE OF STAKEHOLDERS IN BUYING PROCESS FOR TOP 3 APPLICATIONS (%)

5.13.2 BUYING CRITERIA

FIGURE 27 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS

TABLE 7 KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS**5.14 TARIFF AND REGULATORY LANDSCAPE****5.14.1 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS****6 INDUSTRY TRENDS****6.1 INTRODUCTION****TABLE 8 MAPPING OF KEY SIMULATOR MANUFACTURERS AND THEIR CORE COMPETENCY AREAS****6.2 TECHNOLOGY TRENDS****6.2.1 HEPATIC TECHNOLOGY (3D TOUCH)****6.2.2 FULL COMBAT AND MISSION TRAINING IN DOME TRAINER ENVIRONMENT****6.2.3 STANDALONE BRIDGE SIMULATION CONSOLES (FLEXICON)****6.2.4 BLUEFIRE TECHNOLOGY****6.2.5 MARITIME MOVABLE DESKTOP AND ECDIS SIMULATORS****6.2.6 CAR LEARNING TO ACT (CARLA)****6.2.7 DESKTOP DRIVING SIMULATORS****6.2.8 SYNTHETIC TRAINING ENVIRONMENT****6.2.9 NIGHT VISION TRAINING SYSTEMS****6.2.10 REAL-TIME COMPUTER IMAGE GENERATION****6.2.11 OPTIMAL MOTION-CUEING TECHNOLOGY****6.2.12 RECONFIGURABLE FLIGHT SIMULATION AND TRAINING****6.2.13 GLADIATOR SIMULATION PROGRAMME****6.3 IMPACT OF MEGATRENDS****6.3.1 UNIFIED MILITARY SIMULATION AND TRAINING SYSTEM OPERATIONS WITH COLLABORATIVE COMBAT****6.3.2 ARTIFICIAL INTELLIGENCE ACROSS MILITARY SIMULATION AND TRAINING SYSTEM****6.4 INNOVATIONS AND PATENT REGISTRATIONS****TABLE 9 INNOVATIONS & PATENT REGISTRATIONS, (2016-2021)****7 MILITARY SIMULATION AND TRAINING MARKET, BY TYPE****7.1 INTRODUCTION****FIGURE 28 VIRTUAL TYPE SEGMENT EXPECTED TO HAVE GREATER MARKET SHARE IN FORECASTED YEAR****TABLE 10 MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)**

TABLE 11 MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027
(USD MILLION)

7.2 LIVE

7.2.1 INCREASING DEMAND FOR COMBAT TRAINING IN WAR ZONE TO DRIVE
LIVE SEGMENT

7.3 VIRTUAL

7.3.1 TRAINING OF HIGH-COST EQUIPMENT TO LEAD VIRTUAL MARKET

7.4 CONSTRUCTIVE

7.4.1 BETTER TACTICAL TRAINING DEMAND WITH UNKNOWN OUTCOMES TO
BOOST CONSTRUCTIVE SEGMENT

8 MILITARY SIMULATION AND TRAINING MARKET, BY TECHNOLOGY

8.1 INTRODUCTION

8.2 ARTIFICIAL INTELLIGENCE

8.2.1 INCREASING USE OF ARTIFICIAL INTELLIGENCE IN MILITARY DEVICES
EMBEDDED WITH MULTIPLE TECHNOLOGIES TO FUEL AI SEGMENT

8.3 3D PRINTING

8.3.1 REDUCED PRODUCTION COSTS FOR MANUFACTURING TOOLS AND
ADDITIONAL DESIGN FLEXIBILITY TO ENHANCE 3D PRINTING

8.4 INTERNET OF THINGS

8.4.1 DEVELOPED NEW PREDICTIVE BATTLEFIELD ANALYTICS EXPECTED TO
ESCALATE MARKET GROWTH

8.5 BIG DATA ANALYTICS

8.5.1 DEPLOYMENT OF MACHINE LEARNING AND BIG DATA TOOLS ACROSS
VARIOUS DEFENSE PLATFORMS TO DRIVE MARKET GROWTH

8.6 ROBOTIC PROCESS AUTOMATION

8.6.1 INTEGRATION WITH EXISTING MILITARY APPLICATIONS AND
IMPROVEMENT OF OUTCOMES DURING CRITICAL MISSIONS TO INCREASE
MARKET GROWTH

8.7 CLOUD COMPUTING & MASTER DATA MANAGEMENT

8.7.1 DEMAND FOR CLOUD COMPUTING & MASTER DATA MANAGEMENT IN
DEFENSE INDUSTRY STIMULATES MARKET

8.8 DIGITAL TWIN

8.8.1 USE OF TIME- AND COST-SAVING DIGITAL TWIN TECHNOLOGY TO
SUPPORT GROWTH OF MILITARY SIMULATION AND TRAINING MARKET

8.9 BLOCKCHAIN

8.9.1 ENHANCED SECURITY FOR AUTOMATED SYSTEMS MANAGEMENT,
SUPPLY CHAIN MANAGEMENT & LOGISTICS, AND INFORMATION ON

BATTLEFIELD TO OPTIMIZE BLOCKCHAIN USE IN MARKET

8.10 AR & VR

8.10.1 USE OF AR & VR FOR NEW WARFARE STRATEGIES TO EVALUATE COMPLEXITIES ON BATTLEFIELD TO INCREASE MARKET DEMAND

8.11 5G

8.11.1 5G TECHNOLOGY TO TRANSFER DATA AMONG OPERATORS AND MILITARY VEHICLES TO OFFER MORE MARKET DEMAND

9 MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION

9.1 INTRODUCTION

FIGURE 29 SOFTWARE TO RECORD HIGHEST CAGR BETWEEN 2020 AND 2025

TABLE 12 MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 13 MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

9.2 HARDWARE

9.2.1 ONGOING IMPROVEMENTS IN COMMUNICATIONS TECHNOLOGY FOR BETTER EXPERIENCE OF VIRTUAL SIMULATORS TO FUEL SEGMENT GROWTH

9.3 SOFTWARE

9.3.1 GROWING DEMAND TO INTEGRATE MULTIPLE SENSORS WITH SINGLE TRAINING SYSTEM TO AMPLIFY SOFTWARE ADOPTION AND MARKET GROWTH

9.4 SERVICES

9.4.1 SOFTWARE UPDATE PACKAGES, NEW FEATURES AND PROGRAMS, AND ADD NEW ALGORITHMS IN TRAINING SYSTEMS TO PROPEL SERVICES

9.4.1.1 Upgrades

9.4.1.2 Maintenance & Support

10 MILITARY SIMULATION AND TRAINING MARKET, BY ENVIRONMENT

10.1 INTRODUCTION

10.2 SYNTHETIC ENVIRONMENT

10.2.1 SYNTHETIC ENVIRONMENT TO IMPROVE TRAINING, MISSION PLANNING, REHEARSAL, AND OPERATIONAL DECISION MAKING

10.3 GAMING ENVIRONMENT

10.3.1 INCREASING DEMAND FOR INTERACTIVE LEARNING PROJECTED TO FUEL ADOPTION OF GAMING SIMULATION

11 MILITARY SIMULATION AND TRAINING MARKET, BY PLATFORM

11.1 INTRODUCTION

FIGURE 30 LAND PLATFORM TO RECORD HIGHEST CAGR BETWEEN 2022 AND 2027

TABLE 14 MILITARY SIMULATION AND TRAINING MARKET, BY PLATFORM, 2019–2021 (USD MILLION)

TABLE 15 MILITARY SIMULATION AND TRAINING MARKET, BY PLATFORM, 2022–2027 (USD MILLION)

11.2 LAND

TABLE 16 MILITARY SIMULATION AND TRAINING MARKET, BY LAND, 2019–2021 (USD MILLION)

TABLE 17 MILITARY SIMULATION AND TRAINING MARKET, BY LAND, 2022–2027 (USD MILLION)

11.2.1 MILITARY FIGHTING VEHICLES (MFV)

11.2.1.1 Rising demand for MFV for use in cross border conflicts

11.2.2 UNMANNED GROUND VEHICLES (UGVS)

11.2.2.1 Increasing demand for self-driven ground vehicles embedded with advanced military equipment and technologies

11.2.3 HEADQUARTERS AND COMMAND CENTERS

11.2.3.1 Growing need for cybersecurity to protect headquarters and command centers

11.2.4 PLATFORM INDEPENDENT

11.2.4.1 Increased delivery of equipment to drive segment

11.3 MARITIME

TABLE 18 MILITARY SIMULATION AND TRAINING MARKET, BY MARITIME, 2019–2021 (USD MILLION)

TABLE 19 MILITARY SIMULATION AND TRAINING MARKET, BY MARITIME, 2022–2027 (USD MILLION)

11.3.1 NAVAL SHIPS

11.3.1.1 Growing procurement of destroyers by US, Saudi Arabia, and Germany to boost use of naval ships

11.3.2 SUBMARINES

11.3.2.1 Increasing focus on developing next-generation submarines to drive segment growth

11.3.3 UNMANNED MARITIME VEHICLES (UMVS)

11.3.3.1 Adoption of UMMVs for defense applications aids growth of military simulation and training market

11.4 AIRBORNE

TABLE 20 MILITARY SIMULATION AND TRAINING MARKET, BY AIRBORNE,

2019–2021 (USD MILLION)

TABLE 21 MILITARY SIMULATION AND TRAINING MARKET, BY AIRBORNE,
2022–2027 (USD MILLION)

11.4.1 FIGHTER AIRCRAFT

11.4.1.1 Increasing requirement for combat missions to drive market growth

11.4.2 MILITARY HELICOPTERS

11.4.2.1 Growing application in search & rescue and combat operations to push demand for military helicopters

11.4.3 SPECIAL MISSION AIRCRAFT

11.4.3.1 High usage for strategic military operations to further increase demand for special mission aircraft

11.4.4 UAVS

11.4.4.1 Wide-scale application in military attacks to raise market demand for UAVs

12 MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION

12.1 INTRODUCTION

FIGURE 31 ARMY SEGMENT TO RECORD HIGHEST CAGR BETWEEN 2022 AND 2027

TABLE 22 MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION,
2019–2021 (USD MILLION)

TABLE 23 MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION,
2022–2027 (USD MILLION)

12.2 ARMY

12.2.1 ARMORED FIGHTING VEHICLE DRIVING TRAINING

12.2.1.1 Driving simulators for high-end beginner and experienced training and practice solutions to boost market demand

12.2.2 GUNNERY & COMBAT TRAINING

12.2.2.1 Land forces training simulators for armed forces training to fuel market demand

12.2.3 COMMAND STAFF TRAINING

12.2.3.1 Need for tactical training to drive segment

12.3 NAVAL

12.3.1 FULL MISSION BRIDGE TRAINING

12.3.1.1 Full mission bridge simulators to train commercial and military ship operators expected to boost demand

12.3.2 SUBMARINE TRAINING

12.3.2.1 Increasing focus on developing next-generation submarines to push market growth

12.3.3 VESSEL TRAFFIC CONTROL TRAINING

12.3.3.1 Vessel traffic control simulators for better management results in higher demand for training

12.4 AVIATION

12.4.1 FLIGHT TRAINING

12.4.1.1 Increasing deliveries of fighter aircraft for use in cross border conflicts to gain more share for flight training

12.4.2 CARGO LOADING TRAINING

12.4.2.1 Growing deployment of cargo loaders to drive market

12.4.3 MAINTENANCE TRAINING

12.4.3.1 Better understanding of advanced aircraft functionality to mark segment growth

13 REGIONAL ANALYSIS

13.1 INTRODUCTION

TABLE 24 MAJOR ONGOING PROGRAMS RELATED TO TECHNOLOGIES IN MILITARY SIMULATION AND TRAINING MARKET, 2019-2020

FIGURE 32 MILITARY SIMULATION AND TRAINING MARKET IN ASIA PACIFIC PROJECTED TO GROW AT HIGHEST RATE FROM 2022 TO 2027

TABLE 25 MILITARY SIMULATION AND TRAINING MARKET, BY REGION, 2019–2021 (USD MILLION)

TABLE 26 MILITARY SIMULATION AND TRAINING MARKET, BY REGION, 2022–2027 (USD MILLION)

13.2 NORTH AMERICA

13.2.1 COVID-19 IMPACT ON NORTH AMERICA

13.2.2 PESTE ANALYSIS: NORTH AMERICA

FIGURE 33 NORTH AMERICA MILITARY SIMULATION AND TRAINING MARKET SNAPSHOT

TABLE 27 NORTH AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 28 NORTH AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 29 NORTH AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 30 NORTH AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 31 NORTH AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 32 NORTH AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 33 NORTH AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 34 NORTH AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.2.3 US

13.2.3.1 Modernization programs and defense policies increase demand for digitalization in US military

TABLE 35 US: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 36 US: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 37 US: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 38 US: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 39 US: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 40 US: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.2.4 CANADA

13.2.4.1 Increase in demand for training of military aircraft pilots to fuel demand for military simulation and training in Canada

TABLE 41 CANADA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 42 CANADA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 43 CANADA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 44 CANADA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 45 CANADA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 46 CANADA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.3 EUROPE

13.3.1 COVID-19 IMPACT ON EUROPE

13.3.2 PESTLE ANALYSIS: EUROPE

FIGURE 34 EUROPE MILITARY SIMULATION AND TRAINING MARKET SNAPSHOT

TABLE 47 EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 48 EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 49 EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 50 EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 51 EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 52 EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 53 EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 54 EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.3.3 UK

13.3.3.1 Modernization of military training programs expected to drive market

TABLE 55 UK: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 56 UK: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 57 UK: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 58 UK: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 59 UK: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 60 UK: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.3.4 GERMANY

13.3.4.1 R&D to push market growth

TABLE 61 GERMANY: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 62 GERMANY: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 63 GERMANY: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 64 GERMANY: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 65 GERMANY: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 66 GERMANY: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.3.5 ITALY

13.3.5.1 Growing upgrades of existing defense equipment and introduction of new platforms to expand market

TABLE 67 ITALY: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 68 ITALY: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 69 ITALY: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 70 ITALY: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 71 ITALY: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 72 ITALY: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.3.6 FRANCE

13.3.6.1 Technological advancements to enable market growth in France

TABLE 73 FRANCE: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 74 FRANCE: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 75 FRANCE: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 76 FRANCE: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 77 FRANCE: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 78 FRANCE: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.3.7 SPAIN

13.3.7.1 Advancement in training capabilities to create demand in Spain

TABLE 79 SPAIN: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 80 SPAIN: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 81 SPAIN: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 82 SPAIN: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 83 SPAIN: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 84 SPAIN: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.3.8 REST OF EUROPE

13.3.8.1 Rise in aircraft deliveries projected to broaden market for military simulation and training

TABLE 85 REST OF EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 86 REST OF EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 87 REST OF EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 88 REST OF EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 89 REST OF EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 90 REST OF EUROPE: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.4 ASIA PACIFIC

13.4.1 COVID-19 IMPACT ON ASIA PACIFIC

13.4.2 PESTLE ANALYSIS: ASIA PACIFIC

FIGURE 35 ASIA PACIFIC MILITARY SIMULATION AND TRAINING MARKET SNAPSHOT

TABLE 91 ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 92 ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 93 ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 94 ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 95 ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY

TYPE, 2019–2021 (USD MILLION)

TABLE 96 ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 97 ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 98 ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.4.3 CHINA

13.4.3.1 Increasing expenditure on R&D for military equipment expected to drive market

TABLE 99 CHINA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 100 CHINA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 101 CHINA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 102 CHINA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 103 CHINA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 104 CHINA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.4.4 JAPAN

13.4.4.1 Need to strengthen combat capabilities to enhance market demand in Japan

TABLE 105 JAPAN: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 106 JAPAN: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 107 JAPAN: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 108 JAPAN: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 109 JAPAN: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 110 JAPAN: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.4.5 INDIA

13.4.5.1 Ongoing modernization of Indian defense to propel market growth

TABLE 111 INDIA: MILITARY SIMULATION AND TRAINING MARKET, BY

APPLICATION, 2019–2021 (USD MILLION)

TABLE 112 INDIA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 113 INDIA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 114 INDIA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 115 INDIA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 116 INDIA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.4.6 SOUTH KOREA

13.4.6.1 Digital transformation of defense sector stimulates South Korean market

TABLE 117 SOUTH KOREA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 118 SOUTH KOREA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 119 SOUTH KOREA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 120 SOUTH KOREA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 121 SOUTH KOREA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 122 SOUTH KOREA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.4.7 AUSTRALIA

13.4.7.1 High demand for combat training center boost market demand

TABLE 123 AUSTRALIA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 124 AUSTRALIA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 125 AUSTRALIA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 126 AUSTRALIA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 127 AUSTRALIA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 128 AUSTRALIA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.4.8 SINGAPORE

13.4.8.1 Presence of indigenous companies to fulfill demand for simulators

TABLE 129 SINGAPORE: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 130 SINGAPORE: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 131 SINGAPORE: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 132 SINGAPORE: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 133 SINGAPORE: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 134 SINGAPORE: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.4.9 REST OF ASIA PACIFIC

TABLE 135 REST OF ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 136 REST OF ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 137 REST OF ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 138 REST OF ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 139 REST OF ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 140 REST OF ASIA PACIFIC: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.5 MIDDLE EAST

13.5.1 COVID-19 IMPACT ON THE MIDDLE EAST & AFRICA

13.5.2 PESTLE ANALYSIS: MIDDLE EAST & AFRICA

FIGURE 36 MIDDLE EAST MILITARY SIMULATION AND TRAINING MARKET SNAPSHOT

TABLE 141 MIDDLE EAST: MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 142 MIDDLE EAST: MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 143 MIDDLE EAST: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 144 MIDDLE EAST: MILITARY SIMULATION AND TRAINING MARKET, BY

APPLICATION, 2022–2027 (USD MILLION)

TABLE 145 MIDDLE EAST: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 146 MIDDLE EAST: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 147 MIDDLE EAST: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 148 MIDDLE EAST: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.5.3 ISRAEL

13.5.3.1 Military modernization programs and development of capabilities of defense organizations amplify market in Israel

TABLE 149 ISRAEL: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 150 ISRAEL: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 151 ISRAEL: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 152 ISRAEL: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 153 ISRAEL: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 154 ISRAEL: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.5.4 SAUDI ARABIA

13.5.4.1 Growing need to train defense personnel to raise market demand in Saudi Arabia

TABLE 155 SAUDI ARABIA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 156 SAUDI ARABIA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 157 SAUDI ARABIA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 158 SAUDI ARABIA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 159 SAUDI ARABIA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 160 SAUDI ARABIA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.5.5 UAE

13.5.5.1 Focus on strengthening defense capabilities to strengthen market demand

TABLE 161 UAE: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 162 UAE: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 163 UAE: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 164 UAE: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 165 UAE: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 166 UAE: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.6 REST OF THE WORLD

FIGURE 37 REST OF THE WORLD MILITARY SIMULATION AND TRAINING MARKET SNAPSHOT

TABLE 167 REST OF THE WORLD: MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY, 2019–2021 (USD MILLION)

TABLE 168 REST OF THE WORLD: MILITARY SIMULATION AND TRAINING MARKET, BY COUNTRY, 2022–2027 (USD MILLION)

TABLE 169 REST OF THE WORLD: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 170 REST OF THE WORLD: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 171 REST OF THE WORLD: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 172 REST OF THE WORLD: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 173 REST OF THE WORLD: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 174 REST OF THE WORLD: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.6.1 LATIN AMERICA

13.6.1.1 Increase in ship operators to enhance market demand for military simulation and training in Latin America

TABLE 175 LATIN AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 176 LATIN AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY

APPLICATION, 2022–2027 (USD MILLION)

TABLE 177 LATIN AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 178 LATIN AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 179 LATIN AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 180 LATIN AMERICA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

13.6.2 AFRICA

13.6.2.1 Rise in demand for ship operators in Africa to increase demand for military simulation and training

TABLE 181 AFRICA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2019–2021 (USD MILLION)

TABLE 182 AFRICA: MILITARY SIMULATION AND TRAINING MARKET, BY APPLICATION, 2022–2027 (USD MILLION)

TABLE 183 AFRICA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2019–2021 (USD MILLION)

TABLE 184 AFRICA: MILITARY SIMULATION AND TRAINING MARKET, BY TYPE, 2022–2027 (USD MILLION)

TABLE 185 AFRICA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2019–2021 (USD MILLION)

TABLE 186 AFRICA: MILITARY SIMULATION AND TRAINING MARKET, BY SOLUTION, 2022–2027 (USD MILLION)

14 COMPETITIVE LANDSCAPE

14.1 INTRODUCTION

TABLE 187 KEY DEVELOPMENTS BY LEADING PLAYERS IN MILITARY SIMULATION AND TRAINING MARKET BETWEEN 2018 AND 2021

14.2 REVENUE ANALYSIS OF TOP 5 MARKET PLAYERS, 2020

FIGURE 38 REVENUE ANALYSIS OF LEADING PLAYERS IN MILITARY SIMULATION AND TRAINING MARKET, 2021

14.3 MARKET SHARE ANALYSIS OF LEADING PLAYERS, 2020

FIGURE 39 MARKET SHARE ANALYSIS OF LEADING PLAYERS IN MILITARY SIMULATION AND TRAINING MARKET, 2021

TABLE 188 MILITARY SIMULATION AND TRAINING MARKET: DEGREE OF COMPETITION

14.4 COMPANY EVALUATION QUADRANT

14.4.1 MILITARY SIMULATION AND TRAINING MARKET COMPETITIVE LEADERSHIP MAPPING

- 14.4.1.1 Stars
- 14.4.1.2 Emerging Leaders
- 14.4.1.3 Pervasive Companies
- 14.4.1.4 Participants

FIGURE 40 MILITARY SIMULATION AND TRAINING MARKET (GLOBAL) COMPANY EVALUATION MATRIX, 2021

14.4.2 MILITARY SIMULATION AND TRAINING MARKET COMPETITIVE LEADERSHIP MAPPING (SME)

- 14.4.2.1 Progressive companies
- 14.4.2.2 Responsive companies
- 14.4.2.3 Starting blocks
- 14.4.2.4 Dynamic companies

FIGURE 41 MILITARY SIMULATION AND TRAINING MARKET (SME) COMPETITIVE LEADERSHIP MAPPING, 2021

TABLE 189 MILITARY SIMULATION AND TRAINING: DETAILED LIST OF KEYS STARTUP/SMES

TABLE 190 MILITARY SIMULATION AND TRAINING: COMPETITIVE BENCHMARKING OF KEY STARTUP/SMES

14.5 COMPANY PRODUCT FOOTPRINT ANALYSIS

TABLE 191 COMPANY PRODUCT FOOTPRINT

TABLE 192 COMPANY COMPONENT FOOTPRINT

TABLE 193 COMPANY PLATFORM FOOTPRINT

TABLE 194 COMPANY REGION FOOTPRINT

14.6 COMPETITIVE SCENARIO AND TRENDS

14.6.1 DEALS

TABLE 195 MILITARY SIMULATION AND TRAINING MARKET, DEALS, 2018–2021

14.6.2 PRODUCT LAUNCHES

TABLE 196 MILITARY SIMULATION AND TRAINING MARKET, PRODUCT LAUNCHES, 2018–2021

15 COMPANY PROFILES

15.1 INTRODUCTION

15.2 KEY PLAYERS

(Business overview, Products/solutions/services offered, Recent developments, Product developments, Deals, MNM view, Key strengths/right to win, Strategic choices made, and Weaknesses and competitive threats)*

15.2.1 RAYTHEON TECHNOLOGIES

TABLE 197 RAYTHEON TECHNOLOGIES: BUSINESS OVERVIEW

FIGURE 42 RAYTHEON TECHNOLOGIES: COMPANY SNAPSHOT

TABLE 198 RAYTHEON TECHNOLOGIES: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 199 RAYTHEON TECHNOLOGIES: PRODUCT DEVELOPMENTS

TABLE 200 RAYTHEON TECHNOLOGIES.: DEALS

15.2.2 LOCKHEED MARTIN CORPORATION

TABLE 201 LOCKHEED MARTIN CORPORATION: BUSINESS OVERVIEW

FIGURE 43 LOCKHEED MARTIN CORPORATION: COMPANY SNAPSHOT

TABLE 202 LOCKHEED MARTIN CORPORATION:
PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 203 LOCKHEED MARTIN CORPORATION: PRODUCT DEVELOPMENTS

TABLE 204 LOCKHEED MARTIN CORPORATION.: DEALS

15.2.3 CAE INC.

TABLE 205 CAE INC.: BUSINESS OVERVIEW

FIGURE 44 CAE INC.: COMPANY SNAPSHOT

TABLE 206 CAE INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 207 CAE INC.: PRODUCT DEVELOPMENTS

TABLE 208 CAE INC.: DEALS

15.2.4 SAAB AB

TABLE 209 SAAB AB: BUSINESS OVERVIEWS

FIGURE 45 SAAB AB: COMPANY SNAPSHOT

TABLE 210 SAAB AB: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 211 SAAB AB.: PRODUCT DEVELOPMENTS

TABLE 212 SAAB-AB: DEALS

15.2.5 RHEINMETALL AG

TABLE 213 RHEINMETALL AG: BUSINESS OVERVIEW

FIGURE 46 RHEINMETALL AG: COMPANY SNAPSHOT

TABLE 214 RHEINMETALL AG: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 215 RHEINMETALL AG: DEALS

15.2.6 BAE SYSTEMS PLC

TABLE 216 BAE SYSTEMS PLC: BUSINESS OVERVIEW

FIGURE 47 BAE SYSTEMS PLC: COMPANY SNAPSHOT

TABLE 217 BAE SYSTEMS PLC: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 218 BAE SYSTEMS PLC: DEALS

15.2.7 ST ENGINEERING

TABLE 219 ST ENGINEERING: BUSINESS OVERVIEW

FIGURE 48 ST ENGINEERING: COMPANY SNAPSHOT

TABLE 220 ST ENGINEERING: PRODUCTS/SOLUTIONS/SERVICES OFFERED**15.2.8 THE BOEING COMPANY****TABLE 221 THE BOEING COMPANY: BUSINESS OVERVIEW****FIGURE 49 THE BOEING COMPANY: COMPANY SNAPSHOT****TABLE 222 THE BOEING COMPANY: PRODUCTS/SOLUTIONS/SERVICES OFFERED****TABLE 223 THE BOEING COMPANY: DEALS****15.2.9 NORTHROP GRUMMAN CORPORATION****TABLE 224 NORTHROP GRUMMAN CORPORATION: BUSINESS OVERVIEW****FIGURE 50 NORTHROP GRUMMAN CORPORATION: COMPANY SNAPSHOT****TABLE 225 NORTHROP GRUMMAN CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED****TABLE 226 NORTHROP GRUMMAN CORPORATION: DEALS****15.2.10 LEONARDO SPA****TABLE 227 LEONARDO SPA: BUSINESS OVERVIEW****FIGURE 51 LEONARDO SPA: COMPANY SNAPSHOT****TABLE 228 LEONARDO SPA: PRODUCTS/SOLUTIONS/SERVICES OFFERED****15.2.11 INVERIS TRAINING SOLUTIONS****TABLE 229 INVERIS TRAINING SOLUTIONS: BUSINESS OVERVIEW****TABLE 230 INVERIS TRAINING SOLUTIONS: PRODUCTS/SOLUTIONS/SERVICES OFFERED****TABLE 231 INVERIS TRAINING SOLUTIONS: PRODUCT DEVELOPMENTS****TABLE 232 INVERTIS TRAINING SOLUTIONS: DEALS****15.2.12 TEXTRON****TABLE 233 TEXTRON: BUSINESS OVERVIEW****FIGURE 52 TEXTRON: COMPANY SNAPSHOT****TABLE 234 TEXTRON: PRODUCTS/SOLUTIONS/SERVICES OFFERED****TABLE 235 TEXTRON: DEALS****15.2.13 ELBIT SYSTEMS LTD****TABLE 236 ELBIT SYSTEMS LTD: BUSINESS OVERVIEW****FIGURE 53 ELBIT SYSTEMS LTD: COMPANY SNAPSHOT****TABLE 237 ELBIT SYSTEMS: PRODUCTS/SOLUTIONS/SERVICES OFFERED****15.2.14 BOHEMIA INTERACTIVE SIMULATIONS****TABLE 238 BOHEMIA INTERACTIVE SIMULATIONS: BUSINESS OVERVIEW****TABLE 239 BOHEMIA INTERACTIVE SIMULATIONS: PRODUCTS/SOLUTIONS/SERVICES OFFERED****TABLE 240 BOHEMIA INTERACTIVE SIMULATION: DEALS****15.2.15 CUBIC CORPORATION****TABLE 241 CUBIC CORPORATION: BUSINESS OVERVIEW**

FIGURE 54 CUBIC CORPORATION: COMPANY SNAPSHOT

TABLE 242 CUBIC CORPORATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 243 CUBIC CORPORATION: DEALS

15.2.16 THALES SA

TABLE 244 THALES SA: BUSINESS OVERVIEW

FIGURE 55 THALES SA: COMPANY SNAPSHOT

TABLE 245 THALES SA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 246 THALES SA: DEALS

15.2.17 AVT SIMULATION

TABLE 247 AVT SIMULATION: BUSINESS OVERVIEW

TABLE 248 AVT SIMULATION: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 249 AVT SIMULATION: DEALS

15.2.18 BOOZ ALLEN HAMILTON

TABLE 250 BOOZ ALLEN HAMILTON: BUSINESS OVERVIEW

FIGURE 56 BOOZ ALLEN HAMILTON: COMPANY SNAPSHOT

TABLE 251 BOOZ ALLEN HAMILTON: PRODUCTS/SOLUTIONS/SERVICES OFFERED

15.2.19 ECA GROUP

TABLE 252 ECA GROUP: BUSINESS OVERVIEW

TABLE 253 ECA GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED

15.2.20 INDRA SISTEMAS SA

TABLE 254 INDRA SISTEMAS AS: BUSINESS OVERVIEW

TABLE 255 INDRA SISTEMAS AS: PRODUCTS/SOLUTIONS/SERVICES OFFERED

15.2.21 KONGSBERG MARITIME

TABLE 256 KONGSBERG MARITIME.: BUSINESS OVERVIEW

TABLE 257 KONGSBERG MARITIME: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 258 KONGBERG MARITIME: DEALS

15.3 OTHER PLAYERS

15.3.1 PRECISION FLIGHT CONTROLS, INC.

TABLE 259 PRECISION FLIGHT CONTROLS, INC.: BUSINESS OVERVIEW

TABLE 260 PRECISION FLIGHT CONTROLS, INC.: PRODUCTS/SOLUTIONS/SERVICES OFFERED

15.3.2 AVION GROUP

TABLE 261 AVION GROUP: BUSINESS OVERVIEW

TABLE 262 AVION GROUP: PRODUCTS/SOLUTIONS/SERVICES OFFERED

15.3.3 VSTEP BV

TABLE 263 VSTEP BV: BUSINESS OVERVIEW

TABLE 264 VSTEP BV: PRODUCTS/SOLUTIONS/SERVICES OFFERED

15.3.4 VIRTRA

TABLE 265 VIRTRA: BUSINESS OVERVIEW

TABLE 266 VIRTRA: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 267 VIRTRA: DEALS

15.3.5 FRASCA INTERNATIONAL, INC.

TABLE 268 FRASCA INTERNATIONAL, INC.: BUSINESS OVERVIEW

TABLE 269 FRASCA INTERNATIONAL, INC: PRODUCTS/SOLUTIONS/SERVICES OFFERED

TABLE 270 FRASCA INTERNATIONAL, INC: DEALS

*Details on Business overview, Products/solutions/services offered, Recent developments, Product developments, Deals, MNM view, Key strengths/right to win, Strategic choices made, and Weaknesses and competitive threats might not be captured in case of unlisted companies.

16 APPENDIX

16.1 DISCUSSION GUIDE

16.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

16.3 RELATED REPORTS

16.4 AUTHOR DETAILS

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