

On-Orbit Satellite Servicing Market by Service (Active Debris Removal (ADR) and Orbit Adjustment, Robotic Servicing, Refueling, Assembly), End User (Military & Government, Commercial), Orbit, Type and Region - Global Forecast to 2030

<https://marketpublishers.com/r/O22BF5A2C88EEN.html>

Date: May 2023

Pages: 199

Price: US\$ 4,950.00 (Single User License)

ID: O22BF5A2C88EEN

Abstracts

Increasing use of dedicated satellite servicing mission extension vehicles (MEVs) , increasing investment in the space market and increased demand for satellite life extension are driving the global on-orbit satellite servicing market

The on-orbit satellite servicing market size is projected to grow from USD 2.4 billion in 2023 to USD 5.1 billion by 2030, at a CAGR of 11.5% during the forecast period. The market for on-orbit satellite servicing is driven by various factors, such as increasing demand for more effective, cost efficient satellite services . However, Rapid advancements in satellite technology can lead to the obsolescence of on-orbit satellite services are limiting the overall growth of the market.

"Robotic Servicing: The largest share of the on-orbit satellite servicing market by Service in 2023." Robotic servicing systems have become increasingly important for operations in both the lower Earth orbit (LEO) and the geostationary orbit (GEO). In LEO, these systems excel at tasks such as satellite capture, refueling, repair, and upgrades. Similarly, in GEO, they offer valuable services like relocation, refueling, and repair.

One of the major advantages of robotic servicing systems is their ability to tackle tasks that are challenging or impossible for human operators. They can perform repairs in hazardous or inaccessible environments, such as on the outer surfaces of satellites exposed to the harsh conditions of space. Additionally, robots can work continuously without requiring rest or sleep, making them ideal for prolonged, demanding tasks.

Numerous companies and organizations, including SpaceLogistics (US) and Maxar Technologies (UUS), are actively developing robotic servicing capabilities. Their focus lies on advancing technologies like robotic arms, capture mechanisms, and refueling systems to enhance the safety, efficiency, and effectiveness of satellite servicing in orbit.

”Commercial: The largest segment of the on-orbit satellite servicing market by End User in 2023“

The primary advantage of commercial on-orbit satellite servicing is the potential to extend the operational lifetime of commercial satellites, allowing them to provide valuable services and generate revenue for a longer period of time. It can also help reduce the need for costly and risky satellite replacements while enabling operators to upgrade and modify their existing satellites to keep up with technological advancements and market demands.

Overall, the commercial on-orbit satellite servicing market is expected to experience rapid growth as more satellite operators seek to maximize the value and utility of their space assets.

“North America to account for the largest share in the on-orbit satellite servicing market in forecasted year”

The US is a major player in the on-orbit satellite servicing market, with several companies offering innovative solutions for repairing, refueling, maintaining, and upgrading satellites in orbit.

One of the key drivers of the on-orbit satellite servicing market in the US is the increasing number of satellites in orbit, particularly in the commercial sector. As the demand for satellite communication and data services continues to grow, companies are looking for ways to extend the lifespan of their satellites and maximize their operational capabilities. On-orbit servicing provides a cost-effective solution for achieving these goals.

SpaceLogistics LLC is one of the leading companies in the on-orbit satellite servicing market in the US. Its Mission Extension Vehicle (MEV) program provides life-extension services for satellites that are running low on fuel or experiencing other technical issues. The MEV-1 successfully docked with the Intelsat 901 satellite in February 2020,

marking a significant milestone in the commercial on-orbit servicing industry.

Break-up of profiles of primary participants in the on-orbit satellite servicing market: By Company Type: Tier 1 – 77%, Tier 2 – 15%, and Tier 3 – 8% By Designation: C-Level Executives – 79%, Director Level– 15%, and Others – 8% By Region: North America – 9%, Europe – 15%, Asia Pacific – 51%, Middle East & Africa – 16%, Latin America – 9%

Prominent companies in the on-orbit satellite servicing market are Maxar Technologies (US), Astroscale Holdings Inc. (Japan), SpaceLogistics LLC (US), Airbus SE (Netherlands), and Thales Alenia Space (France), among others. Research Coverage: The market study covers the on-orbit satellite servicing market across segments. It aims at estimating the market size and the growth potential of this market across different segments, such as Service, Orbit, Type, End User and Region. The study also includes an in-depth competitive analysis of the key players in the market, along with their company profiles, key observations related to product and business offerings, recent developments, and key market strategies. Key benefits of buying this report: This report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall on-orbit satellite servicing market and its subsegments. The report covers the entire ecosystem of the on-orbit satellite servicing industry and will help stakeholders understand the competitive landscape and gain more insights to better position their businesses and plan suitable go-to-market strategies. The report will also help stakeholders understand the pulse of the market and provide them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Aging satellite population, Space debris mitigation), restraints (Technological Complexity, Limited demand), opportunities (Cost-effective than launching new satellites, Environmental Sustainability, Collaboration among different stakeholders), and challenges (Rapid advancements in satellite technology can lead to the obsolescence of on-orbit satellite services, Complex Regulatory Environment) influencing the growth of the on-orbit satellite servicing market

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the On-orbit satellite servicing market

Market Development: Comprehensive information about lucrative markets – the report analyses the On-orbit satellite servicing market across varied regions

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the On-orbit satellite servicing market

Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like Maxar Technologies (US), Astroscale Holdings Inc. (Japan), SpaceLogistics LLC (US), Airbus SE (Netherlands), and Thales Alenia Space (France), among others in the On-orbit satellite servicing market

Contents

1 INTRODUCTION

1.1 STUDY OBJECTIVES

1.2 MARKET DEFINITION

1.3 INCLUSIONS AND EXCLUSIONS

TABLE 1 INCLUSIONS AND EXCLUSIONS

1.4 MARKET SCOPE

FIGURE 1 ON-ORBIT SATELLITE SERVICING MARKET SEGMENTATION

1.4.1 REGIONAL SCOPE

1.5 YEARS CONSIDERED

1.6 CURRENCY CONSIDERED

TABLE 2 USD EXCHANGE RATES

1.7 STAKEHOLDERS

2 RESEARCH METHODOLOGY

2.1 RESEARCH DATA

FIGURE 2 ON-ORBIT SATELLITE SERVICING MARKET: RESEARCH PROCESS FLOW

FIGURE 3 ON-ORBIT SATELLITE SERVICING MARKET: RESEARCH DESIGN

2.1.1 SECONDARY DATA

2.1.1.1 Secondary sources

FIGURE 4 KEY DATA FROM SECONDARY SOURCES

2.1.2 PRIMARY DATA

2.1.2.1 Key data from primary sources

FIGURE 5 KEY DATA FROM PRIMARY SOURCES

2.1.2.2 Breakdown of primary interviews

2.2 FACTOR ANALYSIS

2.2.1 DEMAND-SIDE INDICATORS

2.2.2 SUPPLY-SIDE INDICATORS

2.2.3 RECESSION IMPACT ANALYSIS

2.3 RESEARCH APPROACH AND METHODOLOGY

2.3.1 BOTTOM-UP APPROACH

TABLE 3 MARKET SIZE ESTIMATION AND METHODOLOGY

FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

2.3.1.1 Regional split of on-orbit satellite servicing market

2.3.2 TOP-DOWN APPROACH

FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

2.4 DATA TRIANGULATION

FIGURE 8 ON-ORBIT SATELLITE SERVICING MARKET: DATA TRIANGULATION

2.5 RESEARCH ASSUMPTIONS

2.6 RESEARCH LIMITATIONS

3 EXECUTIVE SUMMARY

FIGURE 9 COMMERCIAL SEGMENT TO DOMINATE ON-ORBIT SATELLITE SERVICING MARKET DURING FORECAST PERIOD

FIGURE 10 SMALL SATELLITES (FIGURE 11 ROBOTIC SERVICING SEGMENT TO LEAD ON-ORBIT SATELLITE SERVICING MARKET DURING FORECAST PERIOD

FIGURE 12 NORTH AMERICA TO DOMINATE ON-ORBIT SATELLITE SERVICING MARKET IN 2023

4 PREMIUM INSIGHTS

4.1 ATTRACTIVE GROWTH OPPORTUNITIES FOR PLAYERS IN ON-ORBIT SATELLITE SERVICING MARKET

FIGURE 13 GROWING PROBLEM OF SPACE DEBRIS TO DRIVE DEMAND FOR ON-ORBIT SATELLITE SERVICING

4.2 ON-ORBIT SATELLITE SERVICING MARKET, BY SERVICE

FIGURE 14 ACTIVE DEBRIS REMOVAL (ADR) AND ORBIT ADJUSTMENT SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

4.3 ON-ORBIT SATELLITE SERVICING MARKET, BY ORBIT

FIGURE 15 LOW EARTH ORBIT (LEO) SEGMENT TO DOMINATE MARKET FROM 2023 TO 2030

4.4 ON-ORBIT SATELLITE SERVICING MARKET, BY END USER

FIGURE 16 COMMERCIAL SEGMENT TO DOMINATE MARKET FROM 2023 TO 2030

4.5 ON-ORBIT SATELLITE SERVICING MARKET, BY COUNTRY

FIGURE 17 FRANCE TO BE FASTEST-GROWING MARKET FROM 2023 TO 2030

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 TECHNOLOGY EVOLUTION OF ON-ORBIT SATELLITE SERVICING MARKET

FIGURE 18 TECHNOLOGY EVOLUTION ROADMAP

5.3 MARKET DYNAMICS

FIGURE 19 DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES IN ON-ORBIT SATELLITE SERVICING MARKET

5.3.1 DRIVERS

5.3.1.1 Aging satellite population

FIGURE 20 CUBESATS MISSION (UNITS) BEYOND LEO, 2018-2025

5.3.1.2 Space debris mitigation

5.3.2 RESTRAINTS

5.3.2.1 Technological complexity

5.3.2.2 Limited demand

5.3.3 OPPORTUNITIES

5.3.3.1 More cost-effective than satellite launches

5.3.3.2 Environmental sustainability

5.3.3.3 Collaboration among different stakeholders

5.3.4 CHALLENGES

5.3.4.1 Rapid advancement in satellite technology to challenge market growth

5.3.4.2 Complex regulatory environment

5.4 VALUE CHAIN ANALYSIS

FIGURE 21 ON-ORBIT SATELLITE SERVICING MARKET: VALUE CHAIN ANALYSIS

5.5 RECESSION IMPACT ANALYSIS

5.6 TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS

5.6.1 REVENUE SHIFT AND NEW REVENUE POCKETS FOR ON-ORBIT

SATELLITE SYSTEM MANUFACTURERS

FIGURE 22 REVENUE SHIFT IN ON-ORBIT SATELLITE SERVICING MARKET

5.7 ECOSYSTEM ANALYSIS

5.7.1 PROMINENT COMPANIES

5.7.2 PRIVATE ON-ORBIT ENTERPRISES

5.7.3 MILITARY FORCES

FIGURE 23 ON-ORBIT SATELLITE SERVICING MARKET: ECOSYSTEM ANALYSIS

TABLE 4 ON-ORBIT SATELLITE SERVICING MARKET: ROLE IN ECOSYSTEM

5.8 PRICING ANALYSIS

5.8.1 AVERAGE SELLING PRICE

TABLE 5 AVERAGE SELLING PRICE OF ON-ORBIT SATELLITE SERVICES

5.9 VOLUME DATA

TABLE 6 ON-ORBIT SATELLITE SERVICING MARKET, SATELLITE VOLUME DATA (IN UNITS), 2019-2030

5.10 PORTER'S FIVE FORCES ANALYSIS

TABLE 7 ON-ORBIT SATELLITE SERVICES: IMPACT OF PORTER'S FIVE FORCES

5.10.1 THREAT OF NEW ENTRANTS

5.10.2 THREAT OF SUBSTITUTES

5.10.3 BARGAINING POWER OF SUPPLIERS

5.10.4 BARGAINING POWER OF BUYERS

5.10.5 INTENSITY OF COMPETITIVE RIVALRY

5.11 TARIFF AND REGULATORY LANDSCAPE

5.11.1 NORTH AMERICA

TABLE 8 NORTH AMERICA: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER AGENCIES

5.11.2 EUROPE

TABLE 9 EUROPE: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER AGENCIES

5.11.3 ASIA PACIFIC

TABLE 10 ASIA PACIFIC: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER AGENCIES

5.11.4 REST OF THE WORLD

TABLE 11 REST OF THE WORLD: REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER AGENCIES

5.12 TRADE ANALYSIS

TABLE 12 ON-ORBIT SATELLITE SERVICING MARKET: COUNTRY-WISE IMPORTS, 2019–2021 (USD THOUSAND)

TABLE 13 ON-ORBIT SATELLITE SERVICING MARKET: COUNTRY-WISE EXPORTS, 2019–2021 (USD THOUSAND)

5.13 KEY STAKEHOLDERS AND BUYING CRITERIA

5.13.1 KEY STAKEHOLDERS IN BUYING PROCESS

FIGURE 24 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP END USERS IN ON-ORBIT SATELLITE SERVICING MARKET

TABLE 14 INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP END USERS (%)

5.13.2 BUYING CRITERIA

FIGURE 25 KEY BUYING CRITERIA FOR TOP 3 ON-ORBIT SATELLITE SERVICES

TABLE 15 KEY BUYING CRITERIA FOR TOP 3 ON-ORBIT SATELLITE SERVICES

5.14 KEY CONFERENCES AND EVENTS, 2023–2024

TABLE 16 ON-ORBIT SATELLITE SERVICING MARKET: KEY CONFERENCES AND EVENTS

5.15 TECHNOLOGY ANALYSIS

5.15.1 KEY TECHNOLOGY

5.15.1.1 High-throughput satellites (HTS)

5.15.1.2 Autonomous satellite operations

5.15.1.3 Miniaturization in space technology

6 INDUSTRY TRENDS

6.1 INTRODUCTION

6.2 TECHNOLOGY TRENDS

6.2.1 AUTONOMOUS ROBOTS TO PROVIDE ON-ORBIT SATELLITE SERVICES

6.2.2 ON-ORBIT MANUFACTURING

6.2.3 AUTONOMOUS SPACECRAFT OPERATIONS

6.2.4 DEVELOPMENT OF DEDICATED SERVICE AIRCRAFT

6.2.5 3D PRINTING OF SATELLITE EQUIPMENT

6.3 CASE STUDY ANALYSIS

6.3.1 MISSION EXTENSION VEHICLE

TABLE 17 MISSION EXTENSION VEHICLE

6.3.2 SATELLITE REFUELING

TABLE 18 SATELLITE REFUELING

6.4 PATENT ANALYSIS

TABLE 19 INNOVATIONS AND PATENT REGISTRATIONS, 2020-2022

6.5 IMPACT OF MEGATRENDS

6.5.1 RISE OF SMALL SATELLITES

6.5.2 ADVANCEMENTS IN SATELLITE TECHNOLOGY

6.5.3 SHIFT IN GLOBAL ECONOMIC POWER

7 ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE

7.1 INTRODUCTION

FIGURE 26 LARGE SATELLITES SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD

TABLE 20 ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 21 ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

7.2 SMALL SATELLITES (7.2.1 SMALLER AND LESS EXPENSIVE THAN TRADITIONAL LARGER SATELLITES

7.3 MEDIUM SATELLITES (501–1000 KG)

7.3.1 DESIGNED TO ACCOMMODATE MORE COMPLEX PAYLOADS AND INSTRUMENTS THAN SMALL SATELLITES

7.4 LARGE SATELLITES (>1000 KG)

7.4.1 VULNERABLE TO FAILURES OR MALFUNCTIONS DUE TO HIGHER NUMBER OF SUBSYSTEMS

8 ON-ORBIT SATELLITE SERVICING MARKET, BY SERVICE

8.1 INTRODUCTION

FIGURE 27 ACTIVE DEBRIS REMOVAL (ADR) AND ORBIT ADJUSTMENT TO BE FASTEST-GROWING SEGMENT DURING FORECAST PERIOD

TABLE 22 ON-ORBIT SATELLITE SERVICING MARKET, BY SERVICE, 2019–2022 (USD MILLION)

TABLE 23 ON-ORBIT SATELLITE SERVICING MARKET, BY SERVICE, 2023–2030 (USD MILLION)

8.2 ACTIVE DEBRIS REMOVAL (ADR) AND ORBIT ADJUSTMENT

8.2.1 USED TO CAPTURE AND REMOVE SPACE DEBRIS FROM ORBIT

8.3 ROBOTIC SERVICING

8.3.1 USED IN BOTH LOWER EARTH ORBIT AND GEOSTATIONARY ORBIT

8.4 REFUELING

8.4.1 INVOLVES USE OF ROBOTIC ARMS AND FLUID TRANSFER SYSTEMS TO TRANSFER FUEL TO SATELLITE SAFELY AND EFFICIENTLY

8.5 ASSEMBLY

8.5.1 ALLOWS SATELLITES TO BE BUILT AND LAUNCHED IN MODULAR PIECES

9 ON-ORBIT SATELLITE SERVICING MARKET, BY ORBIT

9.1 INTRODUCTION

FIGURE 28 LOW EARTH ORBIT (LEO) SEGMENT TO GROW AT HIGHEST RATE DURING FORECAST PERIOD

TABLE 24 ON-ORBIT SATELLITE SERVICING MARKET, BY ORBIT, 2019–2022 (USD MILLION)

TABLE 25 ON-ORBIT SATELLITE SERVICING MARKET, BY ORBIT, 2023–2030 (USD MILLION)

9.2 LOW EARTH ORBIT (LEO)

9.2.1 INCREASING NUMBER OF SATELLITES LAUNCHED INTO LEO

9.3 MEDIUM EARTH ORBIT (MEO)

9.3.1 EXTENSIVELY UTILIZED BY SATELLITE NAVIGATION SYSTEMS

9.4 GEOSTATIONARY EARTH ORBIT (GEO)

9.4.1 CONTRIBUTES TO LONG-TERM SUSTAINABILITY OF SPACE OPERATIONS BY REDUCING SPACE DEBRIS

10 ON-ORBIT SATELLITE SERVICING MARKET, BY END USER

10.1 INTRODUCTION

FIGURE 29 COMMERCIAL SEGMENT TO BE FASTEST-GROWING END USER OF ON-ORBIT SATELLITE SERVICING DURING FORECAST PERIOD

TABLE 26 ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 27 ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

10.2 MILITARY & GOVERNMENT

10.2.1 ON-ORBIT SATELLITE SERVICING TO PERFORM CRITICAL MAINTENANCE AND REPAIRS ON MILITARY SATELLITES AND SUPPORT SCIENTIFIC MISSIONS

10.3 COMMERCIAL

10.3.1 ON-ORBIT SATELLITE SERVICING TO EXTEND OPERATIONAL LIFETIME OF COMMERCIAL SATELLITES

11 ON-ORBIT SATELLITE SERVICING MARKET, BY REGION

11.1 INTRODUCTION

FIGURE 30 NORTH AMERICA TO DOMINATE ON-ORBIT SATELLITE SERVICING MARKET IN 2023

TABLE 28 ON-ORBIT SATELLITE SERVICING MARKET, BY REGION, 2019–2022 (USD MILLION)

TABLE 29 ON-ORBIT SATELLITE SERVICING MARKET, BY REGION, 2023–2030 (USD MILLION)

11.2 REGIONAL RECESSION IMPACT ANALYSIS

FIGURE 31 GLOBAL PESSIMISTIC AND REALISTIC VIEW DUE TO RECESSION IMPACT

TABLE 30 REGIONAL RECESSION IMPACT ANALYSIS

11.3 NORTH AMERICA

11.3.1 PESTLE ANALYSIS: NORTH AMERICA

FIGURE 32 NORTH AMERICA: ON-ORBIT SATELLITE SERVICING MARKET SNAPSHOT

TABLE 31 NORTH AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 32 NORTH AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY COUNTRY, 2023–2030 (USD MILLION)

TABLE 33 NORTH AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 34 NORTH AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 35 NORTH AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 36 NORTH AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.3.2 US

11.3.2.1 New technologies and business models to make it easier and cost-effective to service satellites

TABLE 37 US: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 38 US: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 39 US: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 40 US: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.3.3 CANADA

11.3.3.1 Expertise in robotics and automation

TABLE 41 CANADA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 42 CANADA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 43 CANADA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 44 CANADA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.4 EUROPE

11.4.1 PESTLE ANALYSIS: EUROPE

FIGURE 33 EUROPE: ON-ORBIT SATELLITE SERVICING MARKET SNAPSHOT

TABLE 45 EUROPE: ON-ORBIT SATELLITE SERVICING MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 46 EUROPE: ON-ORBIT SATELLITE SERVICING MARKET, BY COUNTRY, 2023–2030 (USD MILLION)

TABLE 47 EUROPE: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 48 EUROPE: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 49 EUROPE: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 50 EUROPE: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE,

2023–2030 (USD MILLION)

11.4.2 UK

11.4.2.1 Actively investing in on-orbit satellite servicing technology

TABLE 51 UK: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 52 UK: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 53 UK: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 54 UK: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.4.3 GERMANY

11.4.3.1 Several projects funded by German Aerospace Center

TABLE 55 GERMANY: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 56 GERMANY: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 57 GERMANY: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 58 GERMANY: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.4.4 RUSSIA

11.4.4.1 Many ongoing satellite servicing projects

TABLE 59 RUSSIA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 60 RUSSIA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 61 RUSSIA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 62 RUSSIA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.4.5 ITALY

11.4.5.1 Growing fleet of old satellites

TABLE 63 ITALY: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 64 ITALY: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 65 ITALY: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 66 ITALY: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.4.6 FRANCE

11.4.6.1 Heavy investment in R&D by CNES

TABLE 67 FRANCE: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 68 FRANCE: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 69 FRANCE: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 70 FRANCE: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.4.7 REST OF EUROPE

TABLE 71 REST OF EUROPE: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 72 REST OF EUROPE: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 73 REST OF EUROPE: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 74 REST OF EUROPE: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.5 ASIA PACIFIC

11.5.1 PESTLE ANALYSIS: ASIA PACIFIC

FIGURE 34 ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET SNAPSHOT

TABLE 75 ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 76 ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET, BY COUNTRY, 2023–2030(USD MILLION)

TABLE 77 ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 78 ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 79 ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 80 ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.5.2 CHINA

11.5.2.1 Major country-level satellite servicing market globally

TABLE 81 CHINA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER,

2019–2022 (USD MILLION)

TABLE 82 CHINA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 83 CHINA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 84 CHINA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.5.3 INDIA

11.5.3.1 Strong technology capabilities and growing private sector involvement

TABLE 85 INDIA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 86 INDIA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 87 INDIA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 88 INDIA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.5.4 JAPAN

11.5.4.1 Establishment of Space Industry Vision 2025 program

TABLE 89 JAPAN: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 90 JAPAN: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 91 JAPAN: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 92 JAPAN: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.5.5 AUSTRALIA

11.5.5.1 Government actively promoting development of space industry

TABLE 93 AUSTRALIA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 94 AUSTRALIA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 95 AUSTRALIA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 96 AUSTRALIA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.5.6 SOUTH KOREA

11.5.6.1 Launched several experimental satellites to test on-orbit servicing

technologies

TABLE 97 SOUTH KOREA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 98 SOUTH KOREA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 99 SOUTH KOREA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 100 SOUTH KOREA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.5.7 REST OF ASIA PACIFIC

TABLE 101 REST OF ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 102 REST OF ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 103 REST OF ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 104 REST OF ASIA PACIFIC: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.6 MIDDLE EAST & AFRICA

11.6.1 PESTLE ANALYSIS: MIDDLE EAST & AFRICA

TABLE 105 MIDDLE EAST & AFRICA: ON-ORBIT SATELLITE SERVICING MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 106 MIDDLE EAST & AFRICA: ON-ORBIT SATELLITE SERVICING MARKET, BY COUNTRY, 2023–2030 (USD MILLION)

TABLE 107 MIDDLE EAST & AFRICA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 108 MIDDLE EAST & AFRICA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 109 MIDDLE EAST & AFRICA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 110 MIDDLE EAST & AFRICA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.6.2 IRAN

11.6.2.1 Challenges in accessing latest technologies and equipment due to international sanctions

TABLE 111 IRAN: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 112 IRAN: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 113 IRAN: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 114 IRAN: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.6.3 ISRAEL

11.6.3.1 Supportive government and thriving startup ecosystem

TABLE 115 ISRAEL: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 116 ISRAEL: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 117 ISRAEL: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 118 ISRAEL: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.6.4 UAE

11.6.4.1 Government investing heavily in development of space programs

TABLE 119 UAE: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 120 UAE: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 121 UAE: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 122 UAE: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.6.5 SOUTH AFRICA

11.6.5.1 Development of space-related technologies

TABLE 123 SOUTH AFRICA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 124 SOUTH AFRICA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 125 SOUTH AFRICA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 126 SOUTH AFRICA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.7 LATIN AMERICA

11.7.1 PESTLE ANALYSIS: LATIN AMERICA

TABLE 127 LATIN AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY COUNTRY, 2019–2022 (USD MILLION)

TABLE 128 LATIN AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY

COUNTRY, 2023–2030 (USD MILLION)

TABLE 129 LATIN AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 130 LATIN AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 131 LATIN AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 132 LATIN AMERICA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.7.2 BRAZIL

11.7.2.1 Development of space-related technologies and services

TABLE 133 BRAZIL: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 134 BRAZIL: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 135 BRAZIL: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 136 BRAZIL: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.7.3 MEXICO

11.7.3.1 Initiative to develop technologies for space debris mitigation and on-orbit servicing

TABLE 137 MEXICO: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 138 MEXICO: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 139 MEXICO: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 140 MEXICO: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2023–2030 (USD MILLION)

11.7.4 ARGENTINA

11.7.4.1 Government initiatives to develop on-orbit satellite servicing capabilities

TABLE 141 ARGENTINA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2019–2022 (USD MILLION)

TABLE 142 ARGENTINA: ON-ORBIT SATELLITE SERVICING MARKET, BY END USER, 2023–2030 (USD MILLION)

TABLE 143 ARGENTINA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE, 2019–2022 (USD MILLION)

TABLE 144 ARGENTINA: ON-ORBIT SATELLITE SERVICING MARKET, BY TYPE,

2023–2030 (USD MILLION)

12 COMPETITIVE LANDSCAPE

12.1 INTRODUCTION

12.2 COMPETITIVE OVERVIEW

12.2.1 KEY DEVELOPMENTS OF LEADING PLAYERS IN ON-ORBIT SATELLITE SERVICING MARKET (2020–2022)

TABLE 145 KEY DEVELOPMENTS OF LEADING PLAYERS: ON-ORBIT SATELLITE SERVICING MARKET

12.3 RANKING ANALYSIS OF KEY MARKET PLAYERS, 2022

FIGURE 35 RANKING ANALYSIS OF TOP 5 PLAYERS IN ON-ORBIT SATELLITE SERVICING MARKET, 2022

12.4 REVENUE ANALYSIS OF KEY PLAYERS, 2022

FIGURE 36 ON-ORBIT SATELLITE SERVICING MARKET: REVENUE ANALYSIS OF TOP 5 PLAYERS (2020–2022)

12.5 MARKET SHARE ANALYSIS, 2022

FIGURE 37 MARKET SHARE ANALYSIS OF KEY COMPANIES, 2022

TABLE 146 ON-ORBIT SATELLITE SERVICING MARKET: DEGREE OF COMPETITION

12.6 COMPANY EVALUATION QUADRANT

12.6.1 STARS

12.6.2 EMERGING LEADERS

12.6.3 PERVASIVE PLAYERS

12.6.4 PARTICIPANT COMPANIES

FIGURE 38 ON-ORBIT SATELLITE SERVICING MARKET: COMPETITIVE LEADERSHIP MAPPING OF KEY PLAYERS, 2022

12.6.5 COMPETITIVE BENCHMARKING

TABLE 147 ON-ORBIT SATELLITE SERVICING MARKET: COMPETITIVE BENCHMARKING

12.7 STARTUP/SME EVALUATION QUADRANT

12.7.1 PROGRESSIVE COMPANIES

12.7.2 RESPONSIVE COMPANIES

12.7.3 STARTING BLOCKS

12.7.4 DYNAMIC COMPANIES

FIGURE 39 ON-ORBIT SATELLITE SERVICING MARKET: COMPETITIVE LEADERSHIP MAPPING OF STARTUPS/SMES, 2022

TABLE 148 ON-ORBIT SATELLITE SERVICING MARKET: LIST OF KEY STARTUPS/SMES

12.8 COMPETITIVE SCENARIO

12.8.1 NEW PRODUCT LAUNCHES

12.8.2 DEALS

TABLE 149 DEALS, 2019–2023

13 COMPANY PROFILES

(Business Overview, Products Offered, Recent Developments, MnM View Right to win, Strategic choices made, Weaknesses and competitive threats) *

13.1 INTRODUCTION

13.2 KEY PLAYERS

13.2.1 MAXAR TECHNOLOGIES

TABLE 150 MAXAR TECHNOLOGIES: COMPANY OVERVIEW

FIGURE 40 MAXAR TECHNOLOGIES: COMPANY SNAPSHOT

TABLE 151 MAXAR TECHNOLOGIES: SERVICES OFFERED

13.2.2 ASTROSCALE HOLDINGS INC.

TABLE 152 ASTROSCALE HOLDINGS INC.: COMPANY OVERVIEW

TABLE 153 ASTROSCALE HOLDINGS INC.: SERVICES OFFERED

TABLE 154 ASTROSCALE HOLDINGS INC.: DEALS

13.2.3 SPACELOGISTICS LLC

TABLE 155 SPACELOGISTICS LLC: COMPANY OVERVIEW

TABLE 156 SPACELOGISTICS LLC: SERVICES OFFERED

TABLE 157 SPACELOGISTICS LLC: DEALS

13.2.4 AIRBUS SE

TABLE 158 AIRBUS SE: COMPANY OVERVIEW

FIGURE 41 AIRBUS SE: COMPANY SNAPSHOT

TABLE 159 AIRBUS SE: SERVICES OFFERED

13.2.5 THALES ALENIA SPACE

TABLE 160 THALES ALENIA SPACE: COMPANY OVERVIEW

TABLE 161 THALES ALENIA SPACE: SERVICES OFFERED

TABLE 162 THALES ALENIA SPACE: DEALS

13.2.6 TETHERS UNLIMITED, INC.

TABLE 163 TETHERS UNLIMITED, INC.: COMPANY OVERVIEW

TABLE 164 TETHERS UNLIMITED, INC.: SERVICES OFFERED

13.2.7 ALTIUS SPACE MACHINES, INC.

TABLE 165 ALTIUS SPACE MACHINES, INC.: COMPANY OVERVIEW

TABLE 166 ALTIUS SPACE MACHINES, INC.: SERVICES OFFERED

TABLE 167 ALTIUS SPACE MACHINES, INC.: DEALS

13.2.8 ORBIT FAB, INC.

TABLE 168 ORBIT FAB, INC.: COMPANY OVERVIEW

TABLE 169 ORBIT FAB, INC.: SERVICES OFFERED

TABLE 170 ORBIT FAB, INC.: DEALS

13.2.9 MOMENTUS, INC.

TABLE 171 MOMENTUS, INC.: COMPANY OVERVIEW

FIGURE 42 MOMENTUS, INC.: COMPANY SNAPSHOT

TABLE 172 MOMENTUS, INC.: SERVICES OFFERED

13.2.10 CLEARSPACE

TABLE 173 CLEARSPACE: COMPANY OVERVIEW

TABLE 174 CLEARSPACE: SERVICES OFFERED

TABLE 175 CLEARSPACE: DEALS

13.2.11 ATOMOS SPACE

TABLE 176 ATOMOS SPACE: COMPANY OVERVIEW

TABLE 177 ATOMOS SPACE: SERVICES

TABLE 178 ATOMOS SPACE: DEALS

13.2.12 ROGUE SPACE SYSTEMS

TABLE 179 ROGUE SPACE SYSTEMS: COMPANY OVERVIEW

TABLE 180 ROGUE SPACE SYSTEMS: SERVICES OFFERED

13.2.13 STARFISH SPACE

TABLE 181 STARFISH SPACE: COMPANY OVERVIEW

TABLE 182 STARFISH SPACE: SERVICES OFFERED

13.2.14 D-ORBIT

TABLE 183 D-ORBIT: COMPANY OVERVIEW

TABLE 184 D-ORBIT: SERVICES OFFERED

13.2.15 TURION SPACE

TABLE 185 TURION SPACE: COMPANY OVERVIEW

TABLE 186 TURION SPACE: SERVICES OFFERED

13.3 OTHER PLAYERS

13.3.1 OBRUTA SPACE SOLUTIONS CORP

TABLE 187 OBRUTA SPACE SOLUTIONS CORP: COMPANY OVERVIEW

13.3.2 L?NASA LTD.

TABLE 188 L?NASA LTD.: COMPANY OVERVIEW

13.3.3 INFINITE ORBITS

TABLE 189 INFINITE ORBITS: COMPANY OVERVIEW

13.3.4 HYORISTIC INNOVATIONS

TABLE 190 HYORISTIC INNOVATIONS: COMPANY OVERVIEW

13.3.5 ORBITAID AEROSPACE PRIVATE LIMITED

TABLE 191 ORBITAID AEROSPACE PRIVATE LIMITED: COMPANY OVERVIEW

13.3.6 FUTURE SPACE INDUSTRIES

TABLE 192 FUTURE SPACE INDUSTRIES: COMPANY OVERVIEW

13.3.7 HIGH EARTH ORBIT ROBOTICS

TABLE 193 HIGH EARTH ORBIT ROBOTICS: COMPANY OVERVIEW

13.3.8 SPACE MACHINES COMPANY PTY LTD

TABLE 194 SPACE MACHINES COMPANY PTY LTD: COMPANY OVERVIEW

13.3.9 ORION AST

TABLE 195 ORION AST: COMPANY OVERVIEW

13.3.10 SCOUT AEROSPACE LLC

TABLE 196 SCOUT AEROSPACE LLC: COMPANY OVERVIEW

*Details on Business Overview, Products Offered, Recent Developments, MnM View, Right to win, Strategic choices made, Weaknesses and competitive threats might not be captured in case of unlisted companies.

14 APPENDIX

14.1 DISCUSSION GUIDE

14.2 KNOWLEDGESTORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

14.3 CUSTOMIZATION OPTIONS

14.4 RELATED REPORTS

14.5 AUTHOR DETAILS

I would like to order

Product name: On-Orbit Satellite Servicing Market by Service (Active Debris Removal (ADR) and Orbit Adjustment, Robotic Servicing, Refueling, Assembly), End User (Military & Government, Commercial), Orbit, Type and Region - Global Forecast to 2030

Product link: <https://marketpublishers.com/r/O22BF5A2C88EEN.html>

Price: US\$ 4,950.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/O22BF5A2C88EEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below

and fax the completed form to +44 20 7900 3970