

Israel Satellite-based Earth Observation Market Size Study, By Type (Earth Observation Data, Value Added Services), By Satellite Orbit (Low Earth Orbit, Medium Earth Orbit, Geostationary Orbit), By End-Use (Urban Development and Cultural Heritage, Agriculture, Climate Services, Energy and Raw Materials, Infrastructure, Other End-Use), and Forecasts 2022-2032

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Abstracts

Israel Satellite-based Earth Observation Market is estimated at USD 50.0 million in 2023 and is expected to grow at a healthy CAGR of 6.70% over the forecast period from 2024 to 2032. Earth observation satellites are pivotal in Israel, providing crucial data and imagery for various applications including environmental monitoring, agriculture, urban planning, national security, and disaster management. As a technologically advanced nation, Israel emphasizes the development and deployment of space-based observation systems.

The rapid urbanization and infrastructure expansion in Israel, where the urban population is expected to reach 95% by 2025, has spurred the use of earth observation satellites for effective urban planning and development. These satellites provide essential insights into land use patterns, transportation networks, and infrastructure assessments, facilitating informed decision-making. Given Israel's arid and semi-arid climate, earth observation satellites also play a critical role in monitoring climatic conditions and managing water scarcity issues, thereby supporting efforts in disaster management and emergency response. The growth of the Israel satellite-based Earth observation market faces several challenges. High costs associated with satellite

development, launch, and maintenance act as significant barriers, limiting the entry of new players and the expansion of existing ones. Additionally, the sector grapples with technological challenges, such as the need for advanced sensors and imaging technologies, which require substantial investment and expertise. Regulatory constraints and the complex process of obtaining necessary licenses and approvals further hinder market growth.

Israel has leveraged earth observation satellites for national security and intelligence purposes, enhancing its capabilities to monitor activities in neighboring countries, assess potential threats, and support military operations. The commercial sector in Israel has also shown growing interest in utilizing earth observation satellites for applications such as infrastructure monitoring, agricultural productivity, and operational efficiency. For instance, the launch of the EROS C-3 satellite by Israel Aerospace Industries in December 2022 exemplifies the integration of high-resolution imagery for governmental and business applications. Additionally, earth observation satellites contribute significantly to urban development and cultural heritage preservation. They provide high-resolution data that aids urban planners in making informed decisions regarding urban growth, land use, and infrastructure development. Satellite imagery is invaluable in archaeological research, helping identify and document cultural heritage sites and supporting tourism strategies.

Major market players included in this report are:

SES S.A

ViaSat Inc.

Inmarsat Global Limited

Iridium Communications Inc.

AMOS Spacecom

Gilat Satellite Networks

Orbit Communication Systems Ltd

Spacell

Telesat

ImageSat International N.V.

Israel Aerospace Industries (IAI)

Sky and Space Global Ltd.

SatixFy Ltd

Ramon.Space

Effective Space Solutions Ltd.

The detailed segments and sub-segment of the market are explained below:

By Type

Earth Observation Data

Value Added Services

By Satellite Orbit

Low Earth Orbit

Medium Earth Orbit

Geostationary Orbit

By End-Use

Urban Development and Cultural Heritage

Agriculture

Climate Services

Energy and Raw Materials

Infrastructure

Other End-Use

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenue analysis for each market segment.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

Contents

CHAPTER 1. ISRAEL SATELLITE-BASED EARTH OBSERVATION MARKET EXECUTIVE SUMMARY

- 1.1. Israel Satellite-based Earth Observation Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
 - 1.3.1. By Type
 - 1.3.2. By Satellite Orbit
 - 1.3.3. By End-Use
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

CHAPTER 2. ISRAEL SATELLITE-BASED EARTH OBSERVATION MARKET DEFINITION AND RESEARCH ASSUMPTIONS

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
 - 2.3.1. Inclusion & Exclusion
 - 2.3.2. Limitations
 - 2.3.3. Supply Side Analysis
 - 2.3.3.1. Availability
 - 2.3.3.2. Infrastructure
 - 2.3.3.3. Regulatory Environment
 - 2.3.3.4. Market Competition
 - 2.3.3.5. Economic Viability (Consumer's Perspective)
 - 2.3.4. Demand Side Analysis
 - 2.3.4.1. Regulatory frameworks
 - 2.3.4.2. Technological Advancements
 - 2.3.4.3. Environmental Considerations
 - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. ISRAEL SATELLITE-BASED EARTH OBSERVATION MARKET

DYNAMICS

3.1. Market Drivers

3.1.1. Requirement of Earth Observation Satellite in the Defence Sector

3.1.2. Increasing Use of Earth Observation Satellite in Commercial Sector

3.2. Market Challenges

3.2.1. High Cost of Deploying and Launching Satellite

3.3. Market Opportunities

3.3.1. Expansion in Urban Development and Cultural Heritage

3.3.2. Technological Advancements in Satellite Imaging

CHAPTER 4. ISRAEL SATELLITE-BASED EARTH OBSERVATION MARKET INDUSTRY ANALYSIS

4.1. Porter's 5 Force Model

4.1.1. Bargaining Power of Suppliers

4.1.2. Bargaining Power of Buyers

4.1.3. Threat of New Entrants

4.1.4. Threat of Substitutes

4.1.5. Competitive Rivalry

4.2. PESTEL Analysis

4.2.1. Political

4.2.2. Economical

4.2.3. Social

4.2.4. Technological

4.2.5. Environmental

4.2.6. Legal

4.3. Top investment opportunity

4.4. Top winning strategies

4.5. Disruptive Trends

4.6. Industry Expert Perspective

4.7. Analyst Recommendation & Conclusion

CHAPTER 5. ISRAEL SATELLITE-BASED EARTH OBSERVATION MARKET SIZE & FORECASTS BY TYPE 2022-2032

5.1. Segment Dashboard

5.2. Israel Satellite-based Earth Observation Market: Type Revenue Trend Analysis, 2022 & 2032 (USD Million)

5.2.1. Earth Observation Data

5.2.2. Value Added Services

CHAPTER 6. ISRAEL SATELLITE-BASED EARTH OBSERVATION MARKET SIZE & FORECASTS BY SATELLITE ORBIT 2022-2032

6.1. Segment Dashboard

6.2. Israel Satellite-based Earth Observation Market: Satellite Orbit Revenue Trend Analysis, 2022 & 2032 (USD Million)

6.2.1. Low Earth Orbit

6.2.2. Medium Earth Orbit

6.2.3. Geostationary Orbit

CHAPTER 7. ISRAEL SATELLITE-BASED EARTH OBSERVATION MARKET SIZE & FORECASTS BY END-USE 2022-2032

7.1. Segment Dashboard

7.2. Israel Satellite-based Earth Observation Market: End-Use Revenue Trend Analysis, 2022 & 2032 (USD Million)

7.2.1. Urban Development and Cultural Heritage

7.2.2. Agriculture

7.2.3. Climate Services

7.2.4. Energy and Raw Materials

7.2.5. Infrastructure

7.2.6. Other End-Use

CHAPTER 8. COMPETITIVE INTELLIGENCE

8.1. Key Company SWOT Analysis

8.1.1. Company

8.1.2. Company

8.1.3. Company

8.2. Top Market Strategies

8.3. Company Profiles

8.3.1. SES S.A

8.3.1.1. Key Information

8.3.1.2. Overview

8.3.1.3. Financial (Subject to Data Availability)

8.3.1.4. Product Summary

- 8.3.1.5. Market Strategies
- 8.3.2. ViaSat Inc.
- 8.3.3. Inmarsat Global Limited
- 8.3.4. Iridium Communications Inc.
- 8.3.5. AMOS Spacecom
- 8.3.6. Gilat Satellite Networks
- 8.3.7. Orbit Communication Systems Ltd
- 8.3.8. SpaceIL
- 8.3.9. Telesat
- 8.3.10. ImageSat International N.V.
- 8.3.11. Israel Aerospace Industries (IAI)
- 8.3.12. Sky and Space Global Ltd.
- 8.3.13. SatixFy Ltd
- 8.3.14. Ramon.Space
- 8.3.15. Effective Space Solutions Ltd.

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis
 - 9.1.3. Market Estimation
 - 9.1.4. Validation
 - 9.1.5. Publishing
- 9.2. Research Attributes

List Of Tables

LIST OF TABLES

TABLE 1. Israel Satellite-based Earth Observation market, report scope

TABLE 2. Israel Satellite-based Earth Observation market estimates & forecasts by Region 2022-2032 (USD Million)

TABLE 3. Israel Satellite-based Earth Observation market estimates & forecasts by Type 2022-2032 (USD Million)

TABLE 4. Israel Satellite-based Earth Observation market estimates & forecasts by Satellite Orbit 2022-2032 (USD Million)

TABLE 5. Israel Satellite-based Earth Observation market estimates & forecasts by End-Use 2022-2032 (USD Million)

...

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

List Of Figures

LIST OF FIGURES

- FIG 1. Israel Satellite-based Earth Observation market, research methodology
- FIG 2. Israel Satellite-based Earth Observation market, market estimation techniques
- FIG 3. Israel market size estimates & forecast methods.
- FIG 4. Israel Satellite-based Earth Observation market, key trends 2023
- FIG 5. Israel Satellite-based Earth Observation market, growth prospects 2022-2032
- FIG 6. Israel Satellite-based Earth Observation market, porters 5 force model
- FIG 7. Israel Satellite-based Earth Observation market, PESTEL analysis
- FIG 8. Israel Satellite-based Earth Observation market, value chain analysis
- FIG 9. Israel Satellite-based Earth Observation market by segment, 2022 & 2032 (USD Million)
- FIG 10. Israel Satellite-based Earth Observation market by segment, 2022 & 2032 (USD Million)
- FIG 11. Israel Satellite-based Earth Observation market by segment, 2022 & 2032 (USD Million)

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