

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.

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