

Geophysical Services Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

<https://marketpublishers.com/r/GF0A0291BB7FEN.html>

Date: March 2025

Pages: 135

Price: US\$ 4,850.00 (Single User License)

ID: GF0A0291BB7FEN

Abstracts

The Global Geophysical Services Market reached USD 15.8 billion in 2024 and is predicted to grow at a CAGR of 6.3% from 2025 to 2034. This growth is driven by technological advancements in the exploration of oil and gas, mining, and renewable energy extraction. Innovations such as seismic imaging, electromagnetic surveying, and advanced data processing techniques enable more accurate subsurface mapping and high-quality imaging. Furthermore, government investments in infrastructure development and environmental projects are further bolstering the market's expansion. Fluctuating oil prices have a significant impact on exploration budgets, which in turn affects the demand for geophysical services. However, the integration of artificial intelligence (AI) and autonomous systems in data processing is improving operational efficiency and reducing costs, creating new opportunities. Additionally, the increasing focus on sustainable resource exploration and the development of offshore wind energy is opening up new sectors within the industry.

The market is segmented by technology, with seismic services expected to generate over USD 15 billion by 2034. Seismic technology, which continues to evolve with advancements in 3D and 4D imaging, holds a dominant position, particularly in oil and gas exploration and renewable energy subsurface mapping. Magnetic and gradiometric surveys, often conducted using unmanned aerial vehicles (UAVs), are gaining traction in mineral exploration due to their cost-effectiveness and ability to cover large areas. The advancements in airborne electromagnetic (EM) technology have made it possible to obtain more detailed images of deep subsurfaces, boosting the demand for EM methods, particularly in groundwater and environmental assessments.

The market is also growing in the geothermal energy sector and infrastructure development, with gravity and remote sensing surveys gaining popularity as supplementary survey techniques. The use of cloud computing and AI is enhancing the

interpretation and operational efficiency of these technologies, contributing to further growth.

Regarding survey types, land-based surveys held a 53% market share in 2024 and are projected to grow at a rate exceeding 6% CAGR through 2034. Land surveys remain crucial for oil and gas, mining, and infrastructure projects, with the increasing use of AI-powered data processing and autonomous ground survey systems improving operational efficiency. In contrast, marine-based surveys, driven by the expansion of offshore wind energy and oil and gas exploration, are gaining momentum due to advances in deepwater seismic and EM techniques.

In the U.S., the geophysical services market, valued at USD 5.1 billion in 2024, is expected to grow substantially, reaching over USD 29.3 billion by 2034. The market's growth is fueled by ongoing oil and gas exploration, mineral surveys, and offshore wind farm development, with AI playing a key role in automating seismic imaging and drone surveying to enhance productivity. The increasing use of satellite and aerial photography for infrastructure and environmental assessments is further driving the demand for land and electromagnetic surveys.

Contents

CHAPTER 1 METHODOLOGY & SCOPE

- 1.1 Market definitions
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid
 - 1.4.2.2 Public

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Industry synopsis, 2021 - 2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
- 3.2 Regulatory landscape
- 3.3 Industry impact forces
 - 3.3.1 Growth drivers
 - 3.3.2 Industry pitfalls & challenges
- 3.4 Growth potential analysis
- 3.5 Porter's Analysis
 - 3.5.1 Bargaining power of suppliers
 - 3.5.2 Bargaining power of buyers
 - 3.5.3 Threat of new entrants
 - 3.5.4 Threat of substitutes
- 3.6 PESTEL Analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 4.1 Strategic dashboard
- 4.2 Innovation & sustainability landscape

CHAPTER 5 MARKET SIZE AND FORECAST, BY TECHNOLOGY, 2021 - 2034 (USD MILLION)

5.1 Key trends

5.2 Seismic

5.3 Magnetic

5.4 Electromagnetic

5.5 Gradiometric

5.6 Others

CHAPTER 6 MARKET SIZE AND FORECAST, BY SURVEY TYPE, 2021 - 2034 (USD MILLION)

6.1 Key trends

6.2 Land based

6.3 Marine based

6.4 Aerial based

CHAPTER 7 MARKET SIZE AND FORECAST, BY END USE, 2021 - 2034 (USD MILLION)

7.1 Key trends

7.2 Oil & gas

7.3 Mining

7.4 Agriculture

7.5 Others

CHAPTER 8 MARKET SIZE AND FORECAST, BY REGION, 2021 - 2034 (USD MILLION)

8.1 Key trends

8.2 North America

8.2.1 U.S.

8.2.2 Canada

8.3 Europe

8.3.1 UK

8.3.2 Germany

8.3.3 France

8.3.4 Norway

8.3.5 Russia

8.4 Asia Pacific

- 8.4.1 China
- 8.4.2 Japan
- 8.4.3 India
- 8.4.4 Australia
- 8.5 Middle East & Africa
 - 8.5.1 UAE
 - 8.5.2 Saudi Arabia
 - 8.5.3 Iraq
 - 8.5.4 Iran
 - 8.5.5 South Africa
- 8.6 Latin America
 - 8.6.1 Brazil
 - 8.6.2 Argentina

CHAPTER 9 COMPANY PROFILES

- 9.1 Abitibi Geophysics
- 9.2 China Oilfield Services Limited
- 9.3 CGG
- 9.4 Dawson Geophysical Company
- 9.5 EGS (International) Ltd
- 9.6 Fugro
- 9.7 Getech Group plc
- 9.8 Gardline Limited
- 9.9 HESP
- 9.10 NUVIA Dynamics Inc.
- 9.11 PGS
- 9.12 Paradigm Group B.V.
- 9.13 Ramboll Group A/S
- 9.14 SLB
- 9.15 SAEExploration
- 9.16 Spectrum Geophysics
- 9.17 TGS
- 9.18 Weatherford

I would like to order

Product name: Geophysical Services Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 - 2034

Product link: <https://marketpublishers.com/r/GF0A0291BB7FEN.html>

Price: US\$ 4,850.00 (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/GF0A0291BB7FEN.html>