

Geophysical Data Collection Market to Reach \$7.39 Billion by 2029 with 1.9% CAGR

*The Business Research Company's
Geophysical Data Collection Global
Market Report 2025 – Market Size,
Trends, And Global Forecast 2025-2034*

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/EINPresswire.com/ -- What Is The
Geophysical Data Collection Market
Size And Growth?

In recent times, the [market size for geophysical data collection](#) has witnessed a slight increase. The size is projected to escalate from \$6.78 billion in 2024 to \$6.85 billion in 2025, generating a compound annual growth rate (CAGR) of 1.1%. The growth experienced in the historic period was mainly driven by demands in resource exploration, the energy sector, development necessities within the infrastructure, expansion of scientific research, and investments made by the government.

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The Business Research
Company's Latest Report
Explores Market Driver,
Trends, Regional Insights -
Market Sizing & Forecasts
Through 2034”

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The market size of geophysical data collection is projected to witness slight expansion in the coming years, reaching a size of \$7.39 billion by 2029 with a 1.9% compound annual growth rate (CAGR). This growth in the predicted interval is linked to advancements in renewable energy, data analytics, AI adoption, remote sensing technologies, along

with developments in resilience and disaster management, as well as smart agriculture and soil studies. Major trends expected during this period consist of the use of unmanned aerial vehicles (UAVs) for data collection, integration of multi-sensor systems, studies on climate-resilient infrastructure, advancements in geophysical data visualization technologies, and the incorporation of big data and cloud computing.

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What Are The Current Leading Growth Drivers For Geophysical Data Collection Market?

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The growth of the geophysical data collection market is due, in part, to the increased requirement for a more in-depth comprehension of reservoirs in both production and design endeavors. This is in response to the global and future energy demands. Factors like an ever-growing population, improving living conditions, and persistent economic development necessitate a substantial amount of energy. As per predictions from the United Nations, the world population is set to rise from 9.8 billion in 2050 to 11.2 billion by 2100. Over 50% of the primary energy requirement is expected to be met by fossil fuels as a significant portion of global energy is obtained by burning oil, coal, and gas. ET EnergyWorld suggests that there could be a twofold increase in petrochemical demand in the upcoming 20 to 30 years, approximating from 20 million barrels a day to about 22 million barrels. Hence, the combination of an ever-increasing population and a simultaneous surge in the need for resources is anticipated to offer a significant boost to the growth of the geophysical data collection market.

Which Companies Are Currently Leading In The Geophysical Data Collection Market?

Major players in the Geophysical Data Collection include:

- Compagnie Générale de Géophysique SA
- TGS-NOPEC Geophysical Company ASA
- Dawson Geophysical Company
- Geotech Ltd.
- Geophysical Survey Systems Inc.
- ION Geophysical Corporation
- Phoenix Geophysics Limited
- WesternGeco LLC
- Petroleum Geo-Services ASA
- CSA Global Pty Ltd.

What Are The Upcoming Trends Of Geophysical Data Collection Market In The Globe?

The trend of technology partnerships is crucial in the acquisition of geophysical data. Keeping up with digital changes necessitates these technology collaborations. Artificial Intelligence and Machine Learning approaches are gaining traction in geophysical services. Shearwater Geoservices Software Inc., an affiliate of Shearwater Geoservices Holding AS providing marine geophysical services, entered into a strategic tech partnership with ConocoPhillips, a company specializing in hydrocarbon exploration and production, in February 2022. As part of this collaboration, ConocoPhillips will utilize Shearwater's top-tier Reveal seismic processing and imaging software. Shearwater is dedicated to supporting the creation and use of CSI technology, in addition to providing future seismic imaging and acquisition services to ConocoPhillips. The CSI technology enables geoscientists to produce more accurate seismic images efficiently with less data, which helps ConocoPhillips to enhance the quality of decisions, reduce expenses, and boost efficiency. The technology will be commercialized for existing and future clients.

How Is The Geophysical Data Collection Market Segmented?

The geophysical data collection market covered in this report is segmented –

- 1) By Service: Data Acquisition, Data Processing, Interpretation
- 2) By Technology: 2D Imaging, 3D Imaging, 4D Imaging
- 3) By End User: Agriculture, Environment, Minerals & Mining, Oil & Gas, Water Exploration

Subsegments:

- 1) By Data Acquisition: Ground-Based Data Acquisition, Airborne Data Acquisition, Marine Data Acquisition, Remote Sensing Data Acquisition, Seismic Data Acquisition, Electromagnetic Data Acquisition
- 2) By Data Processing: Seismic Data Processing, Electromagnetic Data Processing, Magnetic Data Processing, Gravity Data Processing, Geophysical Modeling And Analysis, Data Filtering And Noise Reduction
- 3) By Interpretation: Seismic Interpretation, Geophysical Modeling And Inversion, Subsurface Mapping And Visualization, Data Integration And Analysis, Reservoir And Resource Estimation, Hazard And Risk Assessment Interpretation

View the full geophysical data collection market report:

<https://www.thebusinessresearchcompany.com/report/geophysical-data-collection-global-market-report>

Which Is The Dominating Region For The Geophysical Data Collection Market?

In 2024, North America led the geophysical data collection market, followed by Western Europe. The report on this market includes comprehensive coverage of regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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