

Seismic Survey Equipment Market– Global Industry Size, Share, Trends, Opportunity, and Forecast, 2018-2028 Segmented By Component (Hardware, Software, Services), By Technology (3D, 2D, 4D), By Application (Offshore, Onshore), By Industry (Oil & Gas and Others), By Region

<https://marketpublishers.com/r/S5A73DE641AEEN.html>

Date: September 2023

Pages: 170

Price: US\$ 4,900.00 (Single User License)

ID: S5A73DE641AEEN

Abstracts

The Global Seismic Survey Equipment Market is anticipated to grow at a robust pace in the forecast period, 2024-2028. Growing risk management investment and the demand for contemporary land survey equipment are the major revenue factors that influence the market for seismic survey equipment. The market is expected to grow as a result of the benefits of employing computerized instruments while performing land surveys. Seismic surveying is one of the most effective techniques for examining rocks and the subsurface. It works effectively for searching for subterranean water, oil, and mineral resources. Seismic investigations are frequently used for subsurface depth, site analysis, geotechnical characteristics, groundwater research, and coal and hydrocarbon exploration. The market will soon have the chance to produce terrestrial laser scanners with land survey equipment due to technological advancements.

One of the most efficient methods for examining rocks and the subsoil is seismic surveying. It is excellent for locating oil, groundwater, and valuable minerals. Deepness to bedrock, site research, geotechnical features, groundwater exploration, and hydrocarbon and coal exploration are typical uses for seismic studies.

Growing Hazard Management Investments to propel the market of Seismic Survey Equipment

Seismic surveying is a technique for examining underground structures in connection with the search for mineral, petroleum, and natural gas resources. The process is based on measuring the amount of time that passes between an explosion's seismic wave commencement at a chosen shooting point and the arrival of reflected or refracted impulses at one or more seismic detectors. The worldwide seismic survey equipment market is driven by the need for precise pictures of the subsurface and allows for the identification of both lateral and depth changes.

The global seismic survey equipment market is anticipated to grow over the forecast period as a result of the steady increase in oil and gas exploration activities taking place all over the world. Moreover, the use of seismic survey technology improves the search and accelerates the overall search progression at the higher end.

Induced seismicity and emissions into the environment are caused by a seismic survey done for the subsurface research. To dig a bore well during shale gas exploration, first a small amount of water is utilized; afterwards, a measured amount is used. The global demand for seismic survey equipment is fueled by the usage of such equipment during hydraulic fracturing for environmental research.

Equipment technological advancements and booming oil and gas exploration

Due to the increasing use of seismic survey technologies such as 3D imaging and data acquisitions, among others, in brownfield projects, where development work is carried out in the location where prior work has been done and the field is in rebuilt, modify mode, the demand for seismic survey equipment is predicted to increase significantly. It is anticipated that the creation and application of this technology would provide the seismic survey equipment market with numerous lucrative opportunities.

The demand for seismic survey equipment worldwide is being driven by quick advancements and rebuilding of Brownfield project sites that were once in use but are currently abandoned or underused. These Brownfield project locations, which had formerly housed railways, gas stations, oil refineries, or large manufacturing facilities, are primarily located in Western nations.

Seismic survey technology gives precise pictures of the subsurface at these redevelopment sites, allowing for the direct detection of hydrocarbons as well as the identification of stratigraphical boundaries and the detection of both lateral and depth variations. During the anticipated period, these elements are anticipated to drive the seismic survey equipment market.

In general, a towed transmitter and a variety of geophones are used for maritime surveys, along with other tools including water guns, air guns, sparkers, boomers, and chirp systems. Seismic surveys provide a 'CAT scan' of the Earth's subsurface using reflected sound waves. However, they are mostly utilized for oil and gas development.

Market Segmentation

The Global Seismic Survey Equipment Market is divided into Component, Technology, Application, Industry, Region and Competitive Landscape. Based on component, the market is divided into Hardware, Software, Services. Based on Technology, the market is divided into 3D, 2D,4D. Based on Application, the market is divided into Offshore, Onshore. Based on Industry, the market is divided into Oil & Gas and Others.

Market players

Major market players in the Global Seismic Survey Equipment Market are China National Petroleum Corporation, Fugro N.V, International Leading Technologies Transfer Company Limited, Mitcham Industries, Inc, Petroleum Geo-Services (PGS), Ramboll Group A/S, Schlumberger Limited, Seismic Survey Equipment, Sercel, Wireless Seismic, Inc.

Report Scope:

In this report, Global Seismic Survey Equipment Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Seismic Survey Equipment Market, By Component:

Hardware

Software

Services

Seismic Survey Equipment Market, By Technology:

3D

2D

4D

Seismic Survey Equipment Market, By Application:

Offshore

Onshore

Seismic Survey Equipment Market, By Industry:

Oil & Gas

Others

Seismic Survey Equipment Market, By Region:

North America

United States

Mexico

Canada

Asia-Pacific

India

Japan

South Korea

Australia

Singapore

Malaysia

China

Europe

Germany

United Kingdom

Russia

France

Italy

Spain

Poland

Denmark

South America

Brazil

Argentina

Colombia

Peru

Chile

Middle East & Africa

Saudi Arabia

South Africa

UAE

Israel

Turkey

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Seismic Survey Equipment Market.

Available Customizations:

Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

Contents

1. PRODUCT OVERVIEW

2. RESEARCH METHODOLOGY

3. IMPACT OF COVID-19 GLOBAL SEISMIC SURVEY EQUIPMENT MARKET

4. EXECUTIVE SUMMARY

5. VOICE OF CUSTOMERS

6. GLOBAL SEISMIC SURVEY EQUIPMENT MARKET

6.1. Market Size & Forecast

6.1.1. By Value

6.2. Market Share & Forecast

6.2.1. By Component (Hardware, Software, Services)

6.2.2. By Technology (3D, 2D,4D)

6.2.3. By Application (Offshore, Onshore)

6.2.4. By Industry (Oil & Gas and Others)

6.2.5. By Region

6.3. By Company

6.4. Market Map

7. NORTH AMERICA SEISMIC SURVEY EQUIPMENT MARKET OUTLOOK

7.1. Market Size & Forecast

7.1.1. By Value

7.2. Market Share & Forecast

7.2.1. By Component

7.2.2. By Technology

7.2.3. By Application

7.2.4. By Industry

- 7.2.5. By Country
- 7.3. North America: Country Analysis
 - 7.3.1. United States Seismic Survey Equipment Market Outlook
 - 7.3.1.1. Market Size & Forecast
 - 7.3.1.1.1. By Value
 - 7.3.1.2. Market Share & Forecast
 - 7.3.1.2.1. By Component
 - 7.3.1.2.2. By Technology
 - 7.3.1.2.3. By Application
 - 7.3.1.2.4. By Industry
 - 7.3.2. Canada Seismic Survey Equipment Market Outlook
 - 7.3.2.1. Market Size & Forecast
 - 7.3.2.1.1. By Value
 - 7.3.2.2. Market Share & Forecast
 - 7.3.2.2.1. By Component
 - 7.3.2.2.2. By Technology
 - 7.3.2.2.3. By Application
 - 7.3.2.2.4. By Industry
 - 7.3.3. Mexico Seismic Survey Equipment Market Outlook
 - 7.3.3.1. Market Size & Forecast
 - 7.3.3.1.1. By Value
 - 7.3.3.2. Market Share & Forecast
 - 7.3.3.2.1. By Component
 - 7.3.3.2.2. By Technology
 - 7.3.3.2.3. By Application
 - 7.3.3.2.4. By Industry

8. ASIA-PACIFIC SEISMIC SURVEY EQUIPMENT MARKET OUTLOOK

- 8.1. Market Size & Forecast
 - 8.1.1. By Value
- 8.2. Market Share & Forecast
 - 8.2.1. By Component
 - 8.2.2. By Technology
 - 8.2.3. By Application
 - 8.2.4. By Industry
 - 8.2.5. By Country
- 8.3. Asia-Pacific: Country Analysis
 - 8.3.1. China Seismic Survey Equipment Market Outlook

- 8.3.1.1. Market Size & Forecast
 - 8.3.1.1.1. By Value
- 8.3.1.2. Market Share & Forecast
 - 8.3.1.2.1. By Component
 - 8.3.1.2.2. By Technology
 - 8.3.1.2.3. By Application
 - 8.3.1.2.4. By Industry
- 8.3.2. India Seismic Survey Equipment Market Outlook
 - 8.3.2.1. Market Size & Forecast
 - 8.3.2.1.1. By Value
 - 8.3.2.2. Market Share & Forecast
 - 8.3.2.2.1. By Component
 - 8.3.2.2.2. By Technology
 - 8.3.2.2.3. By Application
 - 8.3.2.2.4. By Industry
- 8.3.3. Japan Seismic Survey Equipment Market Outlook
 - 8.3.3.1. Market Size & Forecast
 - 8.3.3.1.1. By Value
 - 8.3.3.2. Market Share & Forecast
 - 8.3.3.2.1. By Component
 - 8.3.3.2.2. By Technology
 - 8.3.3.2.3. By Application
 - 8.3.3.2.4. By Industry
- 8.3.4. South Korea Seismic Survey Equipment Market Outlook
 - 8.3.4.1. Market Size & Forecast
 - 8.3.4.1.1. By Value
 - 8.3.4.2. Market Share & Forecast
 - 8.3.4.2.1. By Component
 - 8.3.4.2.2. By Technology
 - 8.3.4.2.3. By Application
 - 8.3.4.2.4. By Industry
- 8.3.5. Australia Seismic Survey Equipment Market Outlook
 - 8.3.5.1. Market Size & Forecast
 - 8.3.5.1.1. By Value
 - 8.3.5.2. Market Share & Forecast
 - 8.3.5.2.1. By Component
 - 8.3.5.2.2. By Technology
 - 8.3.5.2.3. By Application
 - 8.3.5.2.4. By Industry

8.3.6. Singapore Seismic Survey Equipment Market Outlook

8.3.6.1. Market Size & Forecast

8.3.6.1.1. By Value

8.3.6.2. Market Share & Forecast

8.3.6.2.1. By Component

8.3.6.2.2. By Technology

8.3.6.2.3. By Application

8.3.6.2.4. By Industry

8.3.7. Malaysia Seismic Survey Equipment Market Outlook

8.3.7.1. Market Size & Forecast

8.3.7.1.1. By Value

8.3.7.2. Market Share & Forecast

8.3.7.2.1. By Component

8.3.7.2.2. By Technology

8.3.7.2.3. By Application

8.3.7.2.4. By Industry

9. EUROPE SEISMIC SURVEY EQUIPMENT MARKET OUTLOOK

9.1. Market Size & Forecast

9.1.1. By Value

9.2. Market Share & Forecast

9.2.1. By Component

9.2.2. By Technology

9.2.3. By Application

9.2.4. By Industry

9.2.5. By Country

9.3. Europe: Country Analysis

9.3.1. Germany Seismic Survey Equipment Market Outlook

9.3.1.1. Market Size & Forecast

9.3.1.2. By Value

9.3.1.3. Market Share & Forecast

9.3.1.3.1. By Component

9.3.1.3.2. By Technology

9.3.1.3.3. By Application

9.3.1.3.4. By Industry

9.3.2. United Kingdom Seismic Survey Equipment Market Outlook

9.3.2.1. Market Size & Forecast

9.3.2.1.1. By Value

- 9.3.2.2. Market Share & Forecast
 - 9.3.2.2.1. By Component
 - 9.3.2.2.2. By Technology
 - 9.3.2.2.3. By Application
 - 9.3.2.2.4. By Industry
- 9.3.3. France Seismic Survey Equipment Market Outlook
 - 9.3.3.1. Market Size & Forecast
 - 9.3.3.1.1. By Value
 - 9.3.3.2. Market Share & Forecast
 - 9.3.3.2.1. By Component
 - 9.3.3.2.2. By Technology
 - 9.3.3.2.3. By Application
 - 9.3.3.2.4. By Industry
- 9.3.4. Russia Seismic Survey Equipment Market Outlook
 - 9.3.4.1. Market Size & Forecast
 - 9.3.4.1.1. By Value
 - 9.3.4.2. Market Share & Forecast
 - 9.3.4.2.1. By Component
 - 9.3.4.2.2. By Technology
 - 9.3.4.2.3. By Application
 - 9.3.4.2.4. By Industry
- 9.3.5. Spain Seismic Survey Equipment Market Outlook
 - 9.3.5.1. Market Size & Forecast
 - 9.3.5.1.1. By Value
 - 9.3.5.2. Market Share & Forecast
 - 9.3.5.2.1. By Component
 - 9.3.5.2.2. By Technology
 - 9.3.5.2.3. By Application
 - 9.3.5.2.4. By Industry
- 9.3.6. Poland Seismic Survey Equipment Market Outlook
 - 9.3.6.1. Market Size & Forecast
 - 9.3.6.1.1. By Value
 - 9.3.6.2. Market Share & Forecast
 - 9.3.6.2.1. By Component
 - 9.3.6.2.2. By Technology
 - 9.3.6.2.3. By Application
 - 9.3.6.2.4. By Industry
- 9.3.7. Italy Seismic Survey Equipment Market Outlook
 - 9.3.7.1. Market Size & Forecast

- 9.3.7.1.1. By Value
- 9.3.7.2. Market Share & Forecast
 - 9.3.7.2.1. By Component
 - 9.3.7.2.2. By Technology
 - 9.3.7.2.3. By Application
 - 9.3.7.2.4. By Industry
- 9.3.8. Denmark Seismic Survey Equipment Market Outlook
 - 9.3.8.1. Market Size & Forecast
 - 9.3.8.1.1. By Value
 - 9.3.8.2. Market Share & Forecast
 - 9.3.8.2.1. By Component
 - 9.3.8.2.2. By Technology
 - 9.3.8.2.3. By Application
 - 9.3.8.2.4. By Industry

10. SOUTH AMERICA SEISMIC SURVEY EQUIPMENT MARKET OUTLOOK

- 10.1. Market Size & Forecast
 - 10.1.1. By Value
- 10.2. Market Share & Forecast
 - 10.2.1. By Component
 - 10.2.2. By Technology
 - 10.2.3. By Application
 - 10.2.4. By Industry
 - 10.2.5. By Country
- 10.3. South America: Country Analysis
 - 10.3.1. Brazil Seismic Survey Equipment Market Outlook
 - 10.3.1.1. Market Size & Forecast
 - 10.3.1.1.1. By Value
 - 10.3.1.2. Market Share & Forecast
 - 10.3.1.2.1. By Component
 - 10.3.1.2.2. By Technology
 - 10.3.1.2.3. By Application
 - 10.3.1.2.4. By Industry
 - 10.3.2. Argentina Seismic Survey Equipment Market Outlook
 - 10.3.2.1. Market Size & Forecast
 - 10.3.2.1.1. By Value
 - 10.3.2.2. Market Share & Forecast
 - 10.3.2.2.1. By Component

- 10.3.2.2.2. By Technology
- 10.3.2.2.3. By Application
- 10.3.2.2.4. By Industry
- 10.3.3. Colombia Seismic Survey Equipment Market Outlook
 - 10.3.3.1. Market Size & Forecast
 - 10.3.3.1.1. By Value
 - 10.3.3.2. Market Share & Forecast
 - 10.3.3.2.1. By Component
 - 10.3.3.2.2. By Technology
 - 10.3.3.2.3. By Application
 - 10.3.3.2.4. By Industry
- 10.3.4. Peru Seismic Survey Equipment Market Outlook
 - 10.3.4.1. Market Size & Forecast
 - 10.3.4.1.1. By Value
 - 10.3.4.2. Market Share & Forecast
 - 10.3.4.2.1. By Component
 - 10.3.4.2.2. By Technology
 - 10.3.4.2.3. By Application
 - 10.3.4.2.4. By Industry
- 10.3.5. Chile Seismic Survey Equipment Market Outlook
 - 10.3.5.1. Market Size & Forecast
 - 10.3.5.1.1. By Value
 - 10.3.5.2. Market Share & Forecast
 - 10.3.5.2.1. By Component
 - 10.3.5.2.2. By Technology
 - 10.3.5.2.3. By Application
 - 10.3.5.2.4. By Industry

11. MIDDLE EAST & AFRICA SEISMIC SURVEY EQUIPMENT MARKET OUTLOOK

- 11.1. Market Size & Forecast
 - 11.1.1. By Value
- 11.2. Market Share & Forecast
 - 11.2.1. By Component
 - 11.2.2. By Technology
 - 11.2.3. By Application
 - 11.2.4. By Industry
 - 11.2.5. By Country
- 11.3. Middle East & Africa: Country Analysis

- 11.3.1. Saudi Arabia Seismic Survey Equipment Market Outlook
 - 11.3.1.1. Market Size & Forecast
 - 11.3.1.1.1. By Value
 - 11.3.1.2. Market Share & Forecast
 - 11.3.1.2.1. By Component
 - 11.3.1.2.2. By Technology
 - 11.3.1.2.3. By Application
 - 11.3.1.2.4. By Industry
- 11.3.2. South Africa Seismic Survey Equipment Market Outlook
 - 11.3.2.1. Market Size & Forecast
 - 11.3.2.1.1. By Value
 - 11.3.2.2. Market Share & Forecast
 - 11.3.2.2.1. By Component
 - 11.3.2.2.2. By Technology
 - 11.3.2.2.3. By Application
 - 11.3.2.2.4. By Industry
- 11.3.3. UAE Seismic Survey Equipment Market Outlook
 - 11.3.3.1. Market Size & Forecast
 - 11.3.3.1.1. By Value
 - 11.3.3.2. Market Share & Forecast
 - 11.3.3.2.1. By Component
 - 11.3.3.2.2. By Technology
 - 11.3.3.2.3. By Application
 - 11.3.3.2.4. By Industry
- 11.3.4. Israel Seismic Survey Equipment Market Outlook
 - 11.3.4.1. Market Size & Forecast
 - 11.3.4.1.1. By Value
 - 11.3.4.2. Market Share & Forecast
 - 11.3.4.2.1. By Component
 - 11.3.4.2.2. By Technology
 - 11.3.4.2.3. By Application
 - 11.3.4.2.4. By Industry
- 11.3.5. Turkey Seismic Survey Equipment Market Outlook
 - 11.3.5.1. Market Size & Forecast
 - 11.3.5.1.1. By Value
 - 11.3.5.2. Market Share & Forecast
 - 11.3.5.2.1. By Component
 - 11.3.5.2.2. By Technology
 - 11.3.5.2.3. By Application

11.3.5.2.4. By Industry

12. MARKET DYNAMICS

12.1. Drivers

12.2. Challenges

13. MARKET TRENDS & DEVELOPMENTS

14. COMPANY PROFILES

14.1. China National Petroleum Corporation

14.1.1. Business Overview

14.1.2. Key Revenue and Financials

14.1.3. Recent Developments

14.1.4. Key Personnel

14.1.5. Key Product/Services

14.2. Fugro N.V.

14.2.1. Business Overview

14.2.2. Key Revenue and Financials

14.2.3. Recent Developments

14.2.4. Key Personnel

14.2.5. Key Product/Services

14.3. International Leading Technologies Transfer Company Limited

14.3.1. Business Overview

14.3.2. Key Revenue and Financials

14.3.3. Recent Developments

14.3.4. Key Personnel

14.3.5. Key Product/Services

14.4. Mitcham Industries, Inc.

14.4.1. Business Overview

14.4.2. Key Revenue and Financials

14.4.3. Recent Developments

14.4.4. Key Personnel

14.4.5. Key Product/Services

14.5. Petroleum Geo-Services (PGS)

14.5.1. Business Overview

14.5.2. Key Revenue and Financials

- 14.5.3. Recent Developments
- 14.5.4. Key Personnel
- 14.5.5. Key Product/Services
- 14.6. Ramboll Group A/S
 - 14.6.1. Business Overview
 - 14.6.2. Key Revenue and Financials
 - 14.6.3. Recent Developments
 - 14.6.4. Key Personnel
 - 14.6.5. Key Product/Services
- 14.7. Schlumberger Limited
 - 14.7.1. Business Overview
 - 14.7.2. Key Revenue and Financials
 - 14.7.3. Recent Developments
 - 14.7.4. Key Personnel
 - 14.7.5. Key Product/Services
- 14.8. Seismic Survey Equipment
 - 14.8.1. Business Overview
 - 14.8.2. Key Revenue and Financials
 - 14.8.3. Recent Developments
 - 14.8.4. Key Personnel
 - 14.8.5. Key Product/Services
- 14.9. Sercel
 - 14.9.1. Business Overview
 - 14.9.2. Key Revenue and Financials
 - 14.9.3. Recent Developments
 - 14.9.4. Key Personnel
 - 14.9.5. Key Product/Services
- 14.10. Wireless Seismic, Inc.
 - 14.10.1. Business Overview
 - 14.10.2. Key Revenue and Financials
 - 14.10.3. Recent Developments
 - 14.10.4. Key Personnel
 - 14.10.5. Key Product/Services

15. STRATEGIC RECOMMENDATIONS

16. ABOUT US & DISCLAIMER

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