

Gas Hydrates Industry Report: Competitive Landscape and Future Prospects

The Business Research Company's Gas Hydrates Global Market Report 2025 – Market Size, Trends, And Forecast 2025-2034

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/EINPresswire.com/ -- What Is The Projected Market Size & [Growth Rate Of The Gas Hydrates Market?](#)

In recent times, the size of the gas hydrates market has seen significant growth. It is projected to expand from \$2.17 billion in 2024 to nearly \$2.31 billion in 2025, marking a compound annual growth rate (CAGR) of 6.3%. This historical growth trend can be linked to a rise in industrial



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utilization of natural gas, exploitation of gas hydrate resources, growing public knowledge and support towards cleaner energy options, the expansion of educational and training initiatives for gas hydrate sector professionals, and strategic alliances formed between governments and private corporations.

In the coming years, the gas hydrates market is projected to experience robust growth, swelling to a worth of \$2.94 billion by 2029 with a compound annual growth rate (CAGR) of 6.2%. This predicted growth for the prediction

period can be credited to rising regulations and attempts to curtail greenhouse gas emissions, augmented global energy consumption, an upward trend of consumer choice for cleaner energy sources, ameliorations in material and equipment supply chains, and incentives from both government and private sectors encouraging energy technology innovation. Significant trends forecasted for this period encompass advancements in extraction and processing technologies, ongoing studies into the features and extraction methods of gas hydrates, progression in infrastructure needed for the production, storage, and transport of gas hydrates, fusion of gas hydrate technologies with other energy systems, and progress in seismic imaging and various exploration techniques.

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What Is The Crucial Factor Driving The Global Gas Hydrates Market?

Anticipated growth in the gas hydrates market is being linked to the escalating demand for renewable and clean energy. With increasing worries surrounding climate change, environmental sustainability, and the aim to decrease dependence on fossil fuels, the requirement for clean and renewable energy is on the rise. As they present a substantial reservoir of methane, gas hydrates are under investigation as a possible energy source for the future. They could provide a more environmentally friendly alternative to traditional fossil fuels if extraction and application are managed efficiently. For example, forecasts from the International Energy Agency, a France-based intergovernmental organization, suggested that by July 2024, the contribution of renewables to the global electricity supply is projected to escalate from 30% in 2023 to 35% in 2025. Consequently, the ascending demand for renewable and clean energy is stimulating the expansion of the gas hydrate market.

Who Are The Emerging Players In The Gas Hydrates Market?

Major players in the Gas Hydrates include:

- China Petroleum and Chemical Corporation
- PetroChina Company Limited
- ExxonMobil Corporation
- Royal Dutch Shell plc
- BP PLC
- Chevron Corporation
- Eni S.p.A.
- PJSC Gazprom
- Mitsui & Co. Ltd.
- Equinor ASA

What Are The Top Trends In [The Gas Hydrates Industry?](#)

Key players in the gas hydrates market are putting their efforts into introducing innovative products like methane hydrate harvesting technology to establish a cutting edge over their competitors. This technology relates to the techniques and processes utilized in extracting methane gas captured within the methane hydrates, a crystalline structure containing methane molecules encased in water ice. For instance, in October 2022, MODEC Inc., a company in Japan offering solutions for floating offshore oil and gas sectors, embarked on onshore testing for developing shallow methane hydrate harvesting technology at Okhotsk Regional Innovation Research Park in Kitami City, Hokkaido, Japan. The primary aim of these onshore tests is to analyse drilling performance using a modelled seabed environment composed of polypropylene balls to simulate granular methane hydrate and fluidized treated soil, to reproduce soft mud conditions existing several tens of meters beneath the seabed. Its extensive vertical drilling approach involves the use of large-diameter disc-shaped drill bits intending to boost drilling

capability and ease the extraction of shallow methane hydrate.

What Segments Are Covered In The Gas Hydrates Market Report?

The gas hydrates market covered in this report is segmented –

- 1) By Type: Onshore Gas Hydrates, Offshore Or Marine Gas Hydrates
- 2) By Technology: Gas Hydrate Formation And Dissociation, Production And Extraction, Storage And Transportation
- 3) By Origins: Permafrost, Seabed
- 4) By Application: Transportation Fuel, Commercial, Industrial, Other applications

Subsegments:

- 1) By Onshore Gas Hydrates: Permafrost Gas Hydrates, Associated Gas Hydrates, Gas Hydrates In Sedimentary Basins, Gas Hydrates In Shale Formations, Laboratory-Produced Onshore Gas Hydrates
- 2) By Offshore Or Marine Gas Hydrates: Gas Hydrates In Continental Margins, Gas Hydrates In Deepwater Environments, Gas Hydrates In Submarine Sediments, Gas Hydrates In Mid-Ocean Ridge Systems, Marine Gas Hydrates Associated With Hydrocarbon Reservoirs

View the full gas hydrates market report:

<https://www.thebusinessresearchcompany.com/report/gas-hydrates-global-market-report>

Which Region Is Projected To Hold The Largest Market Share In The Global Gas Hydrates Market?

In 2024, the gas hydrates market was dominated by the Asia-Pacific region. The market report encompassed regions including Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Middle East, and Africa.

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