

# **FSRU (Floating Storage and Regasification Unit) Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Heating (Open Looped, Closed-roofed, IFV, Floating, Others), By Application (Oil & Gas, Marine, Transportation, Others), By Region, By Competition, 2020-2030F**

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## **Abstracts**

### Market Overview

The Global FSRU (Floating Storage and Regasification Unit) Market was valued at USD 8.1 billion in 2024 and is projected to reach USD 12.9 billion by 2030, growing at a CAGR of 7.9% during the forecast period. FSRUs are gaining widespread adoption as an efficient and cost-effective alternative to traditional onshore LNG terminals. They offer rapid deployment—typically within 12 to 24 months—making them ideal for countries facing urgent energy demands or infrastructure constraints. The push for cleaner energy sources, combined with geopolitical developments such as the Russia-Ukraine conflict, has accelerated interest in LNG and the adoption of flexible regasification infrastructure. FSRUs are valued for their mobility, scalability, and ability to operate under lease or charter arrangements, significantly reducing upfront investment. Technological innovations in modular designs, automation, and hybrid systems have also enhanced operational efficiency and safety. As energy security, supply diversification, and sustainability become global priorities, FSRUs are emerging as a strategic component in energy transition and import infrastructure development.

### Key Market Drivers

#### Rising Demand for LNG and Clean Energy Transition

The surge in global demand for liquefied natural gas (LNG) amid the shift toward cleaner and more sustainable energy solutions is a primary driver of the FSRU market. With increasing pressure to reduce carbon emissions, many countries are transitioning from coal and oil to natural gas, which emits fewer greenhouse gases. As a transitional energy source, LNG plays a critical role in bridging the gap to renewables. This transition necessitates the expansion of LNG import capabilities, where FSRUs offer a rapid and flexible deployment option. Unlike traditional onshore terminals, FSRUs require less time and capital investment, making them particularly attractive for developing regions in Asia, the Middle East, and Africa. Furthermore, developed regions such as Europe are using FSRUs to diversify LNG sources and reduce reliance on pipeline gas, especially in light of geopolitical disruptions stemming from the Russia-Ukraine conflict.

## Key Market Challenges

### High Operational and Maintenance Complexity

The complex nature of operating and maintaining FSRUs presents a significant challenge in the market. These floating units must function reliably under harsh marine conditions, facing exposure to saltwater corrosion, wave impact, and extreme weather, all of which can affect performance and safety. As dual-purpose vessels serving both storage and regasification roles, FSRUs require the integration of cryogenic systems with high-pressure vaporization technologies. Managing these advanced systems demands specialized technical expertise and continuous monitoring. Unplanned outages, system failures, or extended maintenance downtimes can result in major disruptions and financial setbacks. Additionally, the shortage of trained professionals—such as LNG-certified technicians and maritime engineers—particularly in emerging markets, further complicates operations and limits scalability.

## Key Market Trends

### Surge in FSRU Deployments Across Emerging Economies

An increasing trend in the FSRU market is the growing deployment of floating regasification units across emerging economies. Nations in Asia-Pacific, Africa, and Latin America are turning to FSRUs as a practical solution to meet escalating energy needs amidst urbanization, industrial growth, and limited onshore infrastructure. Countries such as the Philippines, Vietnam, and Bangladesh are adopting FSRU

technology to support transitions from coal-based power to cleaner fuels. In Africa, Ghana and Senegal are investing in FSRU projects to address power shortages and reduce dependence on oil. Latin American countries including Brazil and Colombia are expanding their LNG access via floating terminals to improve energy security and resilience. The increased interest from developing markets highlights the role of FSRUs in enabling faster and more flexible LNG imports.

## Key Market Players

Hoegh LNG Holdings Ltd.

Excelerate Energy, Inc.

Golar LNG Limited

BW LNG (BW Group Limited)

Mitsui O.S.K. Lines, Ltd. (MOL)

Exmar NV

TotalEnergies SE

Royal Dutch Shell plc

## Report Scope:

In this report, the Global FSRU (Floating Storage and Regasification Unit) Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

FSRU (Floating Storage and Regasification Unit) Market, By Heating:

Open Looped

Closed-roofed

IFV

Floating

Others

#### FSRU (Floating Storage and Regasification Unit) Market, By Application:

Oil & Gas

Marine

Transportation

Others

#### FSRU (Floating Storage and Regasification Unit) Market, By Region:

North America

United States

Canada

Mexico

Europe

Germany

France

United Kingdom

Italy

Spain

Asia Pacific

China

India

Japan

South Korea

Australia

South America

Brazil

Colombia

Argentina

Middle East & Africa

Saudi Arabia

UAE

South Africa

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global FSRU (Floating Storage and Regasification Unit) Market.

Available Customizations:

Global FSRU (Floating Storage and Regasification Unit) Market report with the given

*FSRU (Floating Storage and Regasification Unit) Market – Global Industry Size, Share, Trends, Opportunity, and...*

market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

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

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