

Middle-East And Africa Frac Stack - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

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Abstracts

The Middle-East And Africa Frac Stack Market size is estimated at USD 3.48 billion in 2024, and is expected to reach USD 4.34 billion by 2029, growing at a CAGR of 4.5% during the forecast period (2024-2029).

Key Highlights

Over the medium term, factors such as increasing production from unconventional resources and growing energy demand are expected to drive the frac stack market during the forecast period.

On the other hand, environmental concerns and a lack of capital markets and incentives are restraining market growth.

Nevertheless, with the adoption of the Internet of Things (IoT) to analyze a large amount of data collected during exploration and production (E&P), advanced analytics and simulation software have become increasingly important in addressing safety concerns and improving the efficiency of the fracking process. Big Data analytics and IoT systems in fracking operations are likely to lead to significant opportunities for the frac stack market.

Due to the shale boom, Saudi Arabia is expected to be the largest market for frac stacks. This has led to increased exploitation of shale reserves that need to be fractured for economic production.

Middle-East And Africa Frac Stack Market Trends

The Onshore Sector is Expected to Dominate the Market

The dominance of the onshore segment is anticipated in the Middle-East and African frac stack market, driven by several key factors that underscore the industry dynamics. One primary catalyst for this dominance is the considerable onshore oil and gas production activities in the region.

The Middle East, in particular, hosts extensive onshore reserves, and the prevalent exploration and extraction operations necessitate the use of frac stacks to enhance well productivity. The accessibility and cost-effectiveness associated with onshore projects contribute significantly to the sustained growth of this segment.

According to the Energy Institute Statistical Review of World Energy 2023, in 2022, the oil production in the region was around 37,786 thousand barrels per day, which was a growth of over 6% compared to 2021. As the fracking activities increase in the region, the production is expected to increase simultaneously.

Additionally, the logistical advantages offered by onshore operations play a crucial role in their dominance. Onshore sites generally present fewer challenges in terms of transportation and infrastructure compared to offshore counterparts. This logistical ease translates into more efficient deployment of frac stacks, reducing operational complexities and costs. As the oil and gas industry in Middle-East and Africa continues to expand, the practical advantages associated with onshore operations position this segment as a focal point for frac stack utilization.

Moreover, the technological advancements and innovations in onshore extraction techniques further bolster the dominance of this segment. Continuous improvements in hydraulic fracturing technologies and reservoir management techniques enhance the efficiency of onshore operations, driving the demand for frac stacks. The synergy between evolving extraction methods and frac stack utilization reinforces the onshore segment's leading position in the market.

As a result, a number of operating companies have shifted their focus to the exploitation of unconventional onshore reserves, such as shale and tight gas reserves, which present lower risk and require a lower capital investment than large offshore projects. During the forecast period, there is expected to be an increase in the demand for frac stacks due to the increased hydraulic fracturing of unconventional onshore reserves.

For instance, in September 2022, TAG Oil Ltd was awarded a petroleum services contract by Badr Petroleum Company ("BPCO") to develop the unconventional Abu Roash "F" reservoir ("ARF") within the Badr Oil Field ("BED-1"), a 107 km² (26,000 acres) concession located in the Western Desert of Egypt.

Therefore, as per the points mentioned above, the onshore segment is expected to dominate the market during the forecast period.

Saudi Arabia is Expected to Witness Significant Growth

The Kingdom's prominent role as a global oil producer positions it as a central hub for oil and gas exploration and production activities. Saudi Arabia's vast onshore reserves necessitate efficient and advanced extraction methods, with frac stacks emerging as crucial components to optimize well performance. The robust onshore oil and gas sector, therefore, contributes significantly to the expected dominance of Saudi Arabia in the frac stack market.

For instance, according to the Energy Institute Review of World Energy 2023, gas production in Saudi Arabia increased by more than 5.2% between 2021 and 2022. In 2022, gas production was 120.4 bcm compared to 114.5 bcm in 2021, signifying the country's increasing oil and gas sector, which drives the compressor market.

Furthermore, the strategic initiatives outlined in the Vision 2030 framework by the Saudi Arabian government play a pivotal role. As part of this economic diversification strategy, the focus on enhancing onshore oil and gas operations aligns with the growing demand for frac stacks. Saudi Arabia's commitment to modernizing and optimizing its extraction processes reinforces the notion that the country is poised to dominate the frac stack market in Middle-East and Africa.

The geographical advantage of Saudi Arabia further enhances its dominance in the frac stack market. The country's central location in the region facilitates cost-effective transportation and logistics, making onshore projects more feasible and attractive for investors. This strategic positioning contributes to Saudi Arabia's ability to efficiently deploy frac stacks in its onshore oil and gas operations, solidifying its position as a frontrunner in the regional market.

Additionally, Saudi Arabia's focus on technological advancements and innovation in the

oil and gas sector aligns with the increasing complexity of onshore extraction methods. As operators seek more efficient and sustainable solutions, the demand for advanced frac stacks rises. The Kingdom's commitment to adopting cutting-edge technologies positions it at the forefront of the evolving frac stack market in the Middle East and Africa.

In May 2023, Saudi Arabia's oil behemoth, Aramco, is receptive to proposals from refining giant Sinopec Corp and the French oil major TotalEnergies, considering their interest in investing in a portion of the Jafurah shale gas development project valued at approximately USD 10 billion. Both Sinopec and TotalEnergies are engaged in separate discussions regarding potential investments in the Jafurah development situated in Saudi Arabia. Leveraging an innovative fracking method utilizing seawater from the nearby Gulf coast, Saudi Aramco anticipates the Jafurah field to yield around 2 billion cubic feet of gas daily by 2030, with a projected total investment of USD 24 billion.

The stability and predictability of Saudi Arabia's regulatory environment further support its dominance in the frac stack market. A stable regulatory framework enhances investor confidence and encourages long-term planning for onshore oil and gas projects. This stability is a crucial factor for the sustained growth of the frac stack market, as operators in Saudi Arabia can implement well-structured and reliable deployment strategies.

Therefore, as per the above-mentioned points, the country is expected to witness significant growth during the forecasted period.

Middle-East And Africa Frac Stack Industry Overview

The Middle-East and African frac stack market is semi-consolidated. Some of the major players (in no particular order) include Halliburton Company, Schlumberger Limited, NOV Inc., Baker Hughes Company, and Cactus Inc.

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Contents

1 INTRODUCTION

- 1.1 Scope of the Study
- 1.2 Market Definition
- 1.3 Study Assumptions

2 EXECUTIVE SUMMARY

3 RESEARCH METHODOLOGY

4 MARKET OVERVIEW

- 4.1 Introduction
- 4.2 Market Size and Demand Forecast in USD, till 2029
- 4.3 Recent Trends and Developments
- 4.4 Government Policies and Regulations
- 4.5 Market Dynamics
 - 4.5.1 Drivers
 - 4.5.1.1 Increasing Production from Unconventional Sources
 - 4.5.1.2 Growing Energy Demand in the Region
 - 4.5.2 Restraints
 - 4.5.2.1 Environmental Concerns
- 4.6 Supply Chain Analysis
- 4.7 Porter's Five Forces Analysis
 - 4.7.1 Bargaining Power of Suppliers
 - 4.7.2 Bargaining Power of Consumers
 - 4.7.3 Threat of New Entrants
 - 4.7.4 Threat of Substitutes Products and Services
 - 4.7.5 Intensity of Competitive Rivalry

5 MARKET SEGMENTATION

- 5.1 Location of Deployment
 - 5.1.1 Onshore
 - 5.1.2 Offshore
- 5.2 Well Type
 - 5.2.1 Horizontal and Deviated

5.2.2 Vertical

5.3 Geography (Regional Market Analysis {Market Size and Demand Forecast till 2028 (for regions only)})

5.3.1 Saudi Arabia

5.3.2 United Arab Emirates

5.3.3 Nigeria

5.3.4 Rest of Middle-East and Africa

6 COMPETITIVE LANDSCAPE

6.1 Mergers and Acquisitions, Joint Ventures, Collaborations, and Agreements

6.2 Strategies Adopted by Leading Players

6.3 Company Profiles

6.3.1 Halliburton Company

6.3.2 Schlumberger Limited

6.3.3 NOV Inc.

6.3.4 Baker Hughes Company

6.3.5 Cactus Inc.

6.3.6 National Energy Services Reunited Corp.

6.3.7 Oil States International Inc.

6.3.8 The Weir Group PLC

6.3.9 SPM Oil & Gas Inc.

6.3.10 Superior Energy Services Inc.

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

7.1 Advance Analysis and Simulation Technology

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