

# Second Generation Biofuels Market to Reach \$2.32 Billion by 2029 with 6.1% CAGR

*The Business Research Company's  
Second Generation Biofuels Global  
Market Report 2025 – Market Size,  
Trends, And Global Forecast 2025-2034*

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Second Generation Biofuels Global Market Report  
2025

What Is The [Second Generation Biofuels Market](#) Size And Growth?

In recent times, there has been a robust growth in the market size of sand control services. It is projected to increase from \$1.74 billion in 2024 to \$1.84 billion in 2025, reflecting a compound annual growth rate (CAGR) of 5.9%. This significant growth during the historical period can be linked to factors like the surge in the extraction of shale gas, a boost in the extraction of tight oil formations, growing demand for sand control instruments, increased emphasis on well maintenance, and a rising trend in implementing sand control strategies.

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In the coming years, the market size for sand control services is anticipated to witness robust growth, reaching

\$2.33 billion in 2029 with a 6.1% Compound Annual Growth Rate (CAGR). This growth during the projected period is credited to factors such as the escalating demand for energy security, increase in deepwater exploration, the growing emphasis on carbon capture and storage, improvements in health and safety standards, and a stronger focus on cleaner energy. The forecast period will also see key trends like the incorporation of the Internet of things, machine learning, artificial intelligence, utilization of nanotechnology, and robotics integration.

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### What Are The Current Leading Growth Drivers For Second Generation Biofuels Market?

The growth of the sand control services market is predicted to be fueled by a rise in oil and gas exploration efforts. Oil and gas exploration, which encompasses geological surveys, seismic testing, and exploratory drilling to locate and assess underground oil and gas reserves, is on the upswing due to increasing energy demands and diminishing existing supplies. The surge in oil and gas exploration necessitates greater demand for sand control services to manage sand production, uphold wellbore stability, enhance production, and provide equipment safety. For instance, according to the Norwegian Offshore Directorate, a government agency based in Norway, there was a completion of 42 exploration wells on the Norwegian continental shelf in 2024, marking an increase of 10 wells from 2023. Hence, the escalating oil and gas exploration operations are propelling the sand control services market's expansion.

### Which Companies Are Currently Leading In The Second Generation Biofuels Market?

Major players in the Second Generation Biofuels include:

- Schlumberger NV
- 3M Company
- Baker Hughes Company
- Halliburton
- ANDRITZ AG
- NOV Inc.
- Weatherford International Plc
- The Lubrizol Corporation
- ChampionX
- Oil States International Inc.

### What Are The Main Trends, Positively Impacting The Growth Of Second Generation Biofuels Market?

Companies with significant presence in the sand control services sector are shifting their focus towards the development of innovative solutions like sand consolidation solutions. These innovations aim to boost the productivity of wells and prolong their lifespan. Sand consolidation solution is a cutting-edge technology that fortifies formation grains to inhibit sand production whilst preserving reservoir permeability. For example, Halliburton Company, a key player in the energy industry based in the US, unveiled its advanced sand control system, the SandTrap XL, in October 2024. This system seeks to manage the production of surplus sand using a resin system of low viscosity. It fortifies formation grains while preserving permeability, thereby improving the efficiency and durability of wells. This makes it an ideal solution for mature fields and unconsolidated reservoirs. The system boasts thermal stability exceeding 550°F (287°C), making it apt for enhanced oil recovery techniques such as steam flooding. This new development has enhanced the productivity and lifespan of wells, especially in mature fields and unconsolidated reservoirs.

### How Is The [Second Generation Biofuels Market Segmented](#)?

The sand control services market covered in this report is segmented –

- 1) By Well Type: Horizontal, Vertical
- 2) By Technique: Gravel Pack, Frac Pack, Sand Screens, Resin-Coated Gravel, Other Techniques
- 3) By Location: Onshore, Offshore
- 4) By Application: Cased Hole, Open Hole

Subsegments:

- 1) By Horizontal Wells: Multilateral Wells, Extended Reach Wells, Offshore Wells
- 2) By Vertical Wells: Conventional Vertical Wells, Directional Vertical Wells

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<https://www.thebusinessresearchcompany.com/report/sand-control-services-global-market-report>

Which Is The Dominating Region For The Second Generation Biofuels Market?

In 2024, the Middle East dominated the sand control services market and is anticipated to maintain its growth. The market report on sand control services includes regions such as Asia-Pacific, Western Europe, Eastern Europe, North America, South America, Africa, and the Middle East.

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