Global Electric Submersible Pumps Market 2025-2032 Now Offered by Market Research Center

Global ESP market to hit $18 Bn by 2032, fueled by oil & gas, wastewater, and mining demand, with a 6.3% CAGR forecast.

Global Electric Submersible Pumps Market

TOKYO, JAPAN, June 26, 2025 /EINPresswire.com/ -- The global electric submersible pumps (ESP) market is projected to experience robust growth, expanding from USD 11.74 billion in 2025 to USD 18.01 billion by 2032, at a compound annual growth rate (CAGR) of 6.3%. This expansion is largely fueled by increasing demand across diverse sectors including oil & gas, mining, wastewater treatment, construction, and agriculture. The oil and gas industry remains the dominant market segment, supported by rising global energy demand and enhanced oil recovery initiatives.

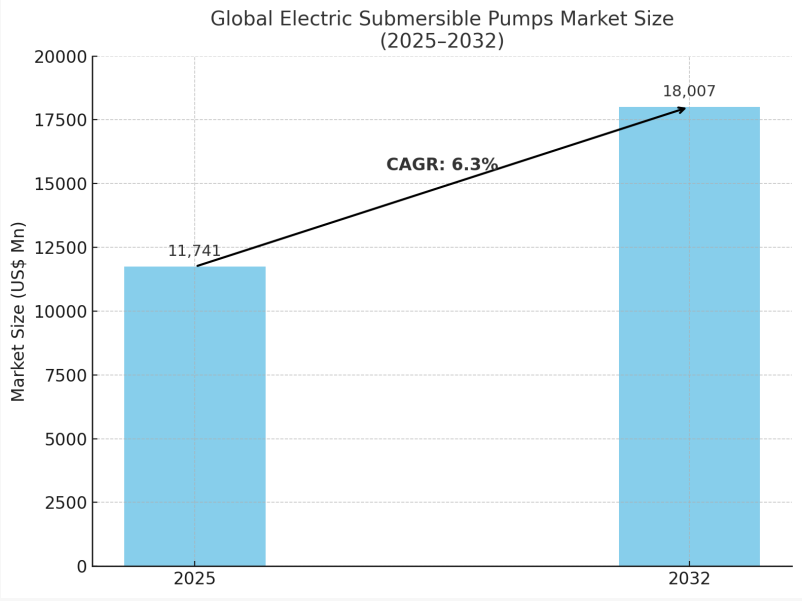
[Key Market Drivers]

Oil & Gas Sector Growth
The oil & gas industry is set to account for 45.3% of the market in 2025, propelled by growing oil consumption and the need for high-volume artificial lift systems in both onshore and offshore oil fields. Global oil demand is expected to rise to 103.9 million barrels per day (mb/d) by 2025. Asia, particularly China, plays a critical role in driving this growth through its rising need for petrochemical feedstocks and industrial output. In response, electric submersible pumps are increasingly being deployed in mature and deep wells, where traditional lifting methods are less effective.

Wastewater Treatment & Infrastructure Modernization
Rising environmental awareness and urban population growth are amplifying investments in wastewater infrastructure. Globally, only 52% of wastewater is treated, with a stark contrast between high-income countries (74%) and low-income nations (4.3%). This inequality is prompting public and private sector investments, especially in developing economies, to install

efficient and durable pump systems for water and wastewater management.

Agricultural and Mining Applications
In the agriculture sector, ESPs are used for irrigation in voltage-unstable or water-scarce regions. In mining, the demand is centered on dewatering and slurry handling. The durability, energy efficiency, and high-head capabilities of ESPs make them particularly suitable for these environments. As natural resource extraction and food production become increasingly critical, ESP deployment in these sectors is expected to grow significantly.



Global Electric Submersible Pumps Market Size

[Market Challenges and Opportunities]

Operational Cost Restraints
Despite its promising outlook, the ESP market faces barriers such as high maintenance and operational costs, especially in harsh environments like deep oil wells or corrosive wastewater systems. Regular servicing and component replacement add to the total cost of ownership, which can be a deterrent for cost-sensitive markets.

Opportunities from Expanding Oil Supply
An increase in global oil supply—driven by higher production from the U.S., Kazakhstan, Iran, and Venezuela—presents strong growth opportunities. The easing of OPEC+ restrictions and new upstream projects contribute to supply surpluses, increasing the need for advanced artificial lift systems like ESPs. In high-output environments, ESPs are critical for maximizing well productivity and reducing downtime.

[Technology and Innovation Trends]

Product Development and Efficiency Gains
Leading manufacturers are focusing on enhancing energy efficiency, reliability, and ease of maintenance. Sulzer’s XJ 900 and J-series compact models target mining and civil sectors with high-head, portable solutions. Its ContraBlock Evo hydraulics system addresses clogging issues in wastewater systems. Kirloskar Brothers have launched oil- and water-filled ESPs designed for regions with power fluctuations.

Digital Integration

Digital technologies such as Sulzer's Energy Optimization Service are being integrated into ESP systems. These platforms use machine learning and advanced diagnostics to improve pump reliability, reduce emissions, and support predictive maintenance—particularly valuable in energy-intensive applications.

Localization of Manufacturing
Manufacturers are localizing production to meet regulatory standards and reduce supply chain risks. Sulzer's expansion of its U.S. production capabilities aligns with the Build America Buy America (BABA) Act and enhances responsiveness to local customer needs. This trend reflects a broader industry shift toward regionalized production and faster delivery timelines.

[Segmental Insights]

By Operation Mode
The multistage pump segment is expected to hold 78.3% of the market share by 2025. These pumps are favored for their superior performance in deep-well and enhanced oil recovery applications, offering long-term durability and high output.

By End Use
• Oil & Gas: Primary driver of ESP demand due to the need for artificial lift in aging wells.
• Water & Wastewater: Growing urbanization and the need for resilient infrastructure make this a fast-growing segment.
• Agriculture: ESPs address irrigation needs in regions with erratic voltage and water shortages.
• Mining and Construction: Require heavy-duty ESPs for dewatering and material handling.

[Regional Outlook]

East Asia
East Asia accounts for 24.5% of the global ESP market in 2025. China's strong mineral production and industrial activity lead demand for mining and industrial pumps. Despite declining mining GDP in Japan, resource extraction continues to rely on ESPs. The region's transition toward electric vehicles and industrial modernization further drives market expansion.

Middle East & Africa
The Middle East, responsible for over 40% of global oil exports, is a critical market for ESPs, particularly for enhanced oil recovery. Africa, rich in mineral and metal resources, drives ESP demand in mining and agriculture. Rapid urbanization and water scarcity issues in the region necessitate reliable pumping systems for construction and irrigation.

Europe and North America
In Europe, countries like Germany, Italy, and Spain remain key players due to their well-established oil & gas infrastructure. In North America, the U.S. continues to lead in ESP adoption, driven by shale oil production and infrastructure investment. Local production facilities and a

favorable regulatory climate further support market development.

[For more details about this report]
Global Electric Submersible Pumps Market 2025-2032
-> https://www.marketresearch.co.jp/reports/global-electric-submersible-pumps-market-2025/

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