

Middle East Offshore Wind Market Size, Share & Trends Analysis Report By Installation (Fixed Structure, Floating Structure), By Capacity, By Water Depth, By Country, And Segment Forecasts, 2025 - 2033

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Abstracts

Middle East Offshore Wind Market Summary

The Middle East offshore wind market size was estimated at USD 74.66 million in 2024 and is projected to reach USD 165.41 million by 2033, growing at a CAGR of 9.4% from 2025 to 2033. The market is emerging as a key component of the region's broader clean energy transition.

Deployment in the region spans fixed-bottom and floating wind projects across shallow and deep-water sites, supporting grid-connected renewable power, hybrid generation, and industrial-scale clean hydrogen production. National strategies such as Saudi Vision 2030, the UAE's Energy Strategy 2050, and Oman's National Energy Strategy create momentum for offshore wind investments to diversify energy portfolios, reduce reliance on fossil fuels, and meet ambitious decarbonization targets. Early-stage offshore wind projects are being explored along the Red Sea, Arabian Gulf, and Mediterranean coastlines, with increasing focus on floating wind to harness deeper water wind resources.

Growth in the market is fueled by abundant offshore wind potential, declining levelized cost of electricity (LCOE), and strong government-led initiatives supported by public-private partnerships (PPPs) and concessional financing. Offshore wind also plays a key role in large-scale green hydrogen and ammonia production, with co-location opportunities near desalination plants and energy-intensive industrial hubs. Advances in

turbine design, subsea cabling, and floating foundation technologies enable more cost-effective deployment in complex geographies, while digital monitoring systems improve efficiency and reliability. Cross-border energy cooperation, including potential interconnections between the GCC and Europe, could open up export opportunities for clean power. With major players like Masdar, ACWA Power, EDF Renewables, and Siemens Gamesa entering the offshore wind market, the Middle East is set for rapid growth, driven by increasing investor confidence and ongoing policy support.

Middle East Offshore Wind Market Report Segmentation

This report forecasts revenue growth at regional & country levels and provides an analysis of the latest industry trends in each of the sub-segments from 2021 to 2033. For the purpose of this study, Grand View Research has segmented the Middle East offshore wind market report on the basis of installation, capacity, water depth, and country.

Installation Outlook (Volume, MW; Revenue, USD Million; 2021 - 2033)

Fixed Structure

Floating Structure

Capacity Outlook (Volume, MW; Revenue, USD Million; 2021 - 2033)

Up to 3 MW

3 MW to 5 MW

Above 5 MW

Water Depth Outlook (Volume, MW; Revenue, USD Million; 2021 - 2033)

Shallow Water (

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