

Overseas wind power generation projects

When will offshore wind projects be available?

The Energy Agency announced a two-phase tender for offshore wind projects in May 2025, with 1.25 GW of fixed-bottom projects in the first phase and an as yet unspecified volume of floating capacity to be offered later this year.

Why should you invest in the global offshore wind industry?

The global offshore wind industry is poised for significant growth, driven by declining costs through technological innovation and economies of scale. Our Next Generation Research team sees opportunities for investors in the following areas: power producers, wind & power equipment producers, infrastructure.

Which countries benefit from China's advance in offshore wind energy?

Asia-Pacific is benefiting from China's advance in offshore wind. Europe has long been a global leader in offshore wind energy. With abundant shallow waters in regions such as the North Sea and the Baltic Sea, combined with excellent wind resources, the continent is ideally suited for this form of renewable energy.

How many offshore wind projects are there?

No offshore wind projects are currently operational, the World Bank Group-ESMAP estimates a technical potential of over 4,900 GW of offshore wind capacity - 1,572 GW fixed-bottom and 3,391 GW floating.

Explore major offshore wind power projects launching in 2025 that are set to transform renewable energy and drive global clean energy goals.

Discover the largest wind farm projects globally. Learn about their impact, capacity, and future expansion plans, driving the shift towards sustainable energy solutions.

The Inner Mongolia Hinggan League wind power base (phase 2) in China is the largest wind farm in the world.

This image shows an integrated offshore wind and solar energy project that combines wind turbines with photovoltaic arrays at sea. [Photo/WeChat account: shswhywxh] Shanghai has ...

The Global Wind Power Tracker (GWPT) is a worldwide dataset of utility-scale, on and offshore wind facilities. It includes wind farm phases with capacities of 10 megawatts (MW) or more. A wind project ...

Discover upcoming top offshore wind farm projects in the world, driving renewable energy growth, and combating climate change.

Key takeaways The global offshore wind industry is poised for significant growth, driven by declining costs through technological innovation and economies of scale. Our Next Generation ...

mechanism, while South Korea has recently announced details of how wind power projects can participate in

the competitive bidding process for fixed-price contracts under the ...

Generally, power generation and installed capacity are main indicators used to interpret the technical potential of renewable energy such as wind energy. This study follows this framework ...

The top wind energy projects supporting the energy transition include companies like China Longyuan Power, SSE Renewables, Equinor, Ørsted and Enercon

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