

Wind power generation statistics in 2025



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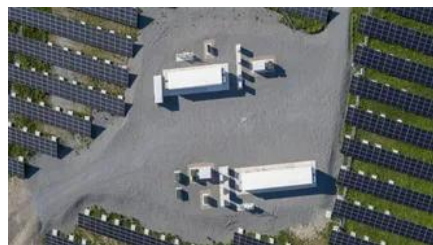


[Global wind power growth accelerates in first half of 2025](#)

Total new installations for 2025 are expected to reach a record 150 GW, surpassing previous annual totals of 120 GW in 2024 and 121 GW in 2023. By the end of 2025, global wind

US Wind Energy Monitor , Q3 2025

The U.S. Wind Energy Monitor is an indispensable resource for industry players who refuse to be caught off-guard by rapid changes. With our expert analysis at your fingertips, you can confidently chart your



RENEWABLE ENERGY STATISTICS 2025

The renewable power capacity data shown in these tables represents the maximum net generating capacity of power plants and other installations that use renewable energy sources to produce

Download GWEC's Global Wind Report 2025

We hope you will enjoy reading this year's Global Wind Report 2025 as much as the GWEC team has enjoyed writing it. This year's report finds the industry delivered another record year





[Wind energy in Europe: 2025 Statistics and the outlook for 2026-2030](#)

Europe installed 19.1 GW of new wind power capacity in 2025. The EU-27 installed 15.1 GW of this. 90% of the new wind capacity built

Windy: Wind map & weather forecast

Windy provides real-time wind maps and accurate weather forecasts with user-friendly layers and precise spot forecasts.



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recent years have seen a drastic increase in negative power prices, during periods of correlated wind and or solar output, especially outside of peak demand periods.

[WWEA Half-year Report 2025: Global Wind Power Growth](#)

Global Wind Power Growth Accelerates in the First Half of 2025. The report can here be downloaded in pdf format.



Windy: Menu

Weather radar, wind and waves forecast for kites, surfers, paragliders, pilots, sailors and anyone else. Worldwide animated weather map, with easy to use layers and precise spot forecast.

Wind power generation, 2025

This dataset contains yearly electricity generation, capacity, emissions, import and demand data for over 200 geographies. You can find more about Ember's methodology in this



Windy: Wind map & weather forecast

Weather radar, wind and waves forecast for kites, surfers, paragliders, pilots, sailors and anyone else. Worldwide animated weather map, with easy to use layers and precise spot forecast.

Windy: Rio de Janeiro weather forecast

Rio de Janeiro weather forecast. Meteogram, airgram, wind, clouds, temperature, humidity and dew point forecast. ECMWF, WRF, GFS, NAM, NEMS and other forecast models.



Windy: Wind map & weather forecast

Worldwide animated weather map with layers, precise forecasts, METAR, TAF, NOTAMs for airports, SYNOP codes from stations and buoys, and forecast models.

Renewables Global Status Report 2025

Communication with REN21, 15 May 2025. GWEC estimates that a total of 1,135,500 MW (1,052,338 MW onshore and 83,162 MW offshore) was in operation at the end of 2024, up from a total of 1,020,611





[GWEC'S Global Wind Report 2025: Record Growth, Emerging](#)

The 2025 Global Wind Report shows global wind capacity reaching 1,136 GW, with 55 countries adding new turbines in 2024. China led new installations, followed by the USA, Germany,

Windy API

Get forecast for specified coordinates Obtain data for wind, temperature, precipitation, air quality and other 20 parameters.



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