



WIND ENERGY BAROMETER 2025

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EurObserv'ER estimates that in 2024, newly installed wind power capacity reached at least 12.2 GW (including 1.7 GW offshore), bringing the EU's total capacity to 231.9 GW, after accounting for decommissioned capacity. This increase is slightly below the 16 GW added in 2023, due to slower onshore activity and delays in offshore projects. A potential new driver for the sector in the future could be repowering operations: in Germany, a third of the new onshore capacity comes from the renewal of old installations.

Despite the rise in installed capacity, EU gross wind power output increased only slightly—by about 1.8% year-on-year—to 488.1 TWh (up from 479.4 TWh in 2023). This modest gain is attributed to generally poorer wind conditions across the European Union. Southern and Central Europe experienced wind deficits, partly offset by stronger winds in the North. Offshore generation grew more significantly, rising 15.4% to 63.6 TWh, thanks to favorable North Sea winds and accelerated commissioning in late 2023 and early 2024.

Wind power capacity installed* in the European Union at the end of 2024** (MW)

