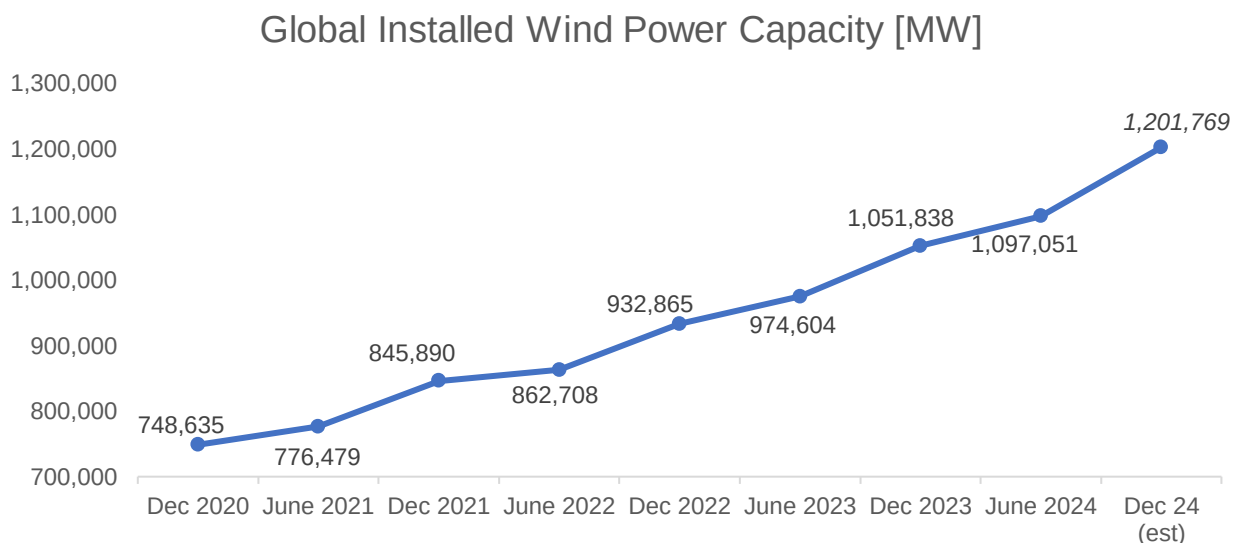


WWEA Half-year Report 2024

Strong Wind Power Growth Continues in First Half 2024:

- **123 Gigawatt of new capacity added between June 2023 and June 2024, after 100 GW in the previous year**
- **Global wind power capacity has reached almost 1,1 Terawatt**
- **Wind power contributes well above 10% of global power**
- **Annual growth rate at 12,6%**
- **China exceeds 500 Gigawatt of installed wind capacity**
- **A record breaking 150 Gigawatt of new installations are expected for the full year 2024**
- **A total capacity of 1,2 million Megawatt to be reached by end of 2024**

The World Wind Energy Association WWEA has gathered statistics on new wind power installations in the first six months of 2024. Based on a survey amongst WWEA's member associations from around the globe, WWEA has been able to publish an estimate of the global installations as of now and a prediction for the end of 2024. The figures presented in this report are based on official statistics and on WWEA estimates.

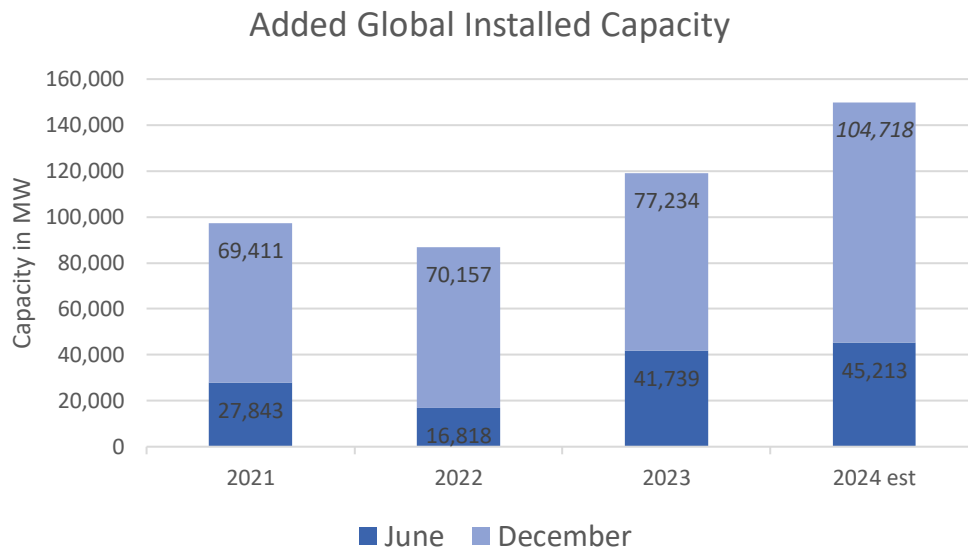


The world installed 45,2 Gigawatt in the first half of 2024, 8% more than in 2023 when 41,7 Gigawatt were added in the same period. This equals a year-to-year growth rate of 12,6%, when comparing the total installed capacity end of June 2023 and end of June 2024. In comparison, in the first half of 2022, the market size was only 16,8 Gigawatt.

With this, **in June 2024 the global installed capacity stood at 1'097 Gigawatt**, out of which 123 Gigawatt were added in the twelve months from July 2023 to June 2024 – after additional 100 Gigawatt in the period 2022-2023.

The sector shows a similar growth in the first half 2024, with a 4,3% semiannual growth, compared to 4,4% in the first half of 2023.

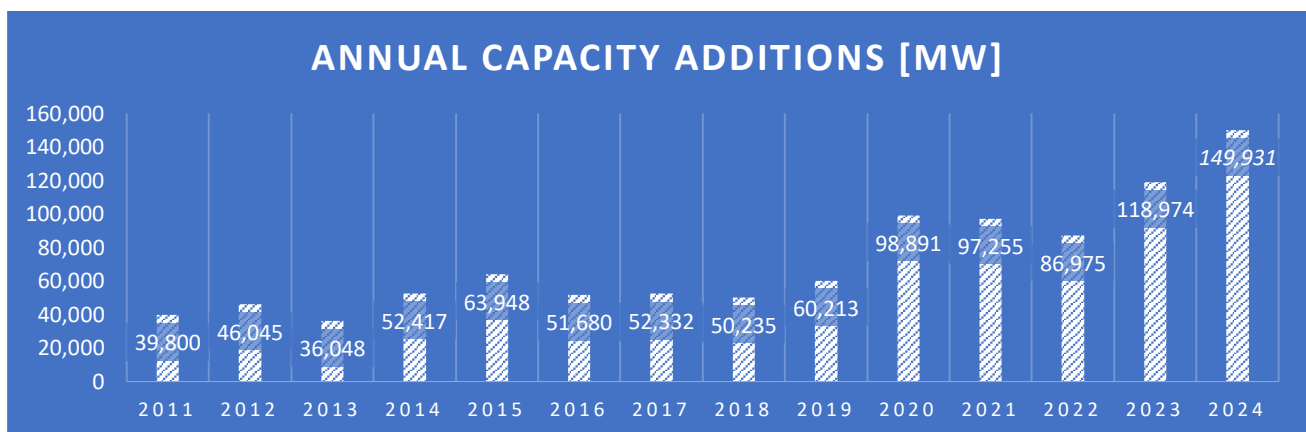
Additional momentum is expected in the second half of 2024. Accordingly, and based on our members' estimates, **WWEA expects total new capacity additions of around 150 Gigawatt for the whole of 2024**, which would be a new all-time high, after 119 Gigawatt in 2023 and only 88 Gigawatt in 2022.



This will bring the global installed wind capacity to more than 1200 Gigawatts by the end of 2024. This will be enough to meet around 11% of the world's electricity needs.

China represents the by far largest market share with an added capacity of 25,8 Gigawatt, after 23,8 Gigawatt in the same period of the previous year 2023. The country has crossed a milestone with an installed capacity of half million Megawatt.

As in 2023, three countries added around 2,3 Gigawatt in the first half of 2024: the USA, India and Brazil. Australia had the fifth strongest growth, adding more than 1,6 Gigawatt, while Germany was the largest market in Europe, adding almost 1,6 Gigawatt.



The top ten countries have changed: Brazil has overtaken the UK to become the world's fifth largest wind power market. Australia has entered the top ten markets, bypassing Italy and Turkey, which both dropped one place to 11th and 12th respectively.

Rank	Country/Region	New 1-6/2024	Jun 24	Dec 23	New 1-6/23	Jun 23	Dec 22
1	China	25.840	500.440	474.600	23.770	419.400	395.630
2	United States	2.362	152.817	150.455	2.249	146.433	144.184
3	Germany	1.571	71.046	69.475	1.559	67.765	66.206
3	India	2.339	47.075	44.736	2.340	43.940	41.600
4	Spain	619	31.416	30.797	313	30.471	30.158
5	Brazil	2.327	30.907	28.580	2.306	25.967	23.661
6	United Kingdom	250	30.413	30.163	569	29.332	28.763
7	France	843	24.317	23.474	1.626	22.541	20.915
8	Canada	1.240	18.226	16.986	550	15.762	15.212
9	Sweden	536	16.787	16.251	764	15.042	14.278
10	Australia	1.656	13.645	11.989	705	10.839	10.134
11	Italy	320	12.370	12.050	172	11.819	11.647
12	Turkey	505	12.311	11.806	161	11.566	11.405
13	Netherlands	410	11.635	11.225	327	8.542	8.215
	Rest of the World (estimated 2024)	4.395	123.646	119.251	4.328	115.185	110.857
	Total	45.213	1.097.051	1.051.838	41.739	974.604	932.865

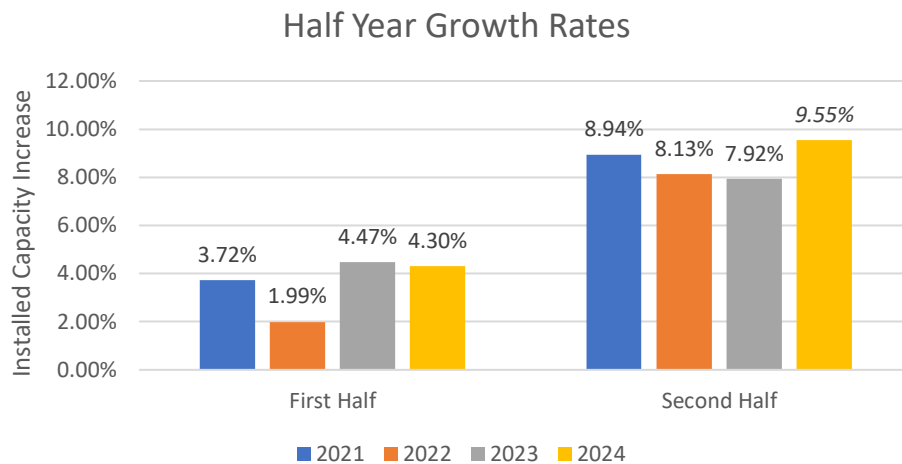
WWEA President Dr. Irfan Mirza:

The first half of 2024 has showcased remarkable progress in the global wind energy sector. With 123 Gigawatt of new capacity added over the twelve months, we now stand at the threshold of a groundbreaking milestone – 1,2 Terawatt of installed wind power capacity by year-end. These achievements highlight not only the resilience of our industry but also its indispensable role in driving the global energy transition.

Wind energy stands as a powerful independent source of clean energy while also complementing other renewable solutions, to build a versatile and sustainable energy future. Its flexibility makes it a cornerstone in addressing global energy and climate challenges.

At WWEA, we remain steadfast in our commitment to supporting our members and fostering collaboration to accelerate renewable energy deployment worldwide. This report is a testament to the collective efforts of communities, governments, and businesses that continue to invest in a sustainable future.

Let us build on this momentum and work together to ensure wind energy's growth benefits all humanity.



WWEA Secretary General Stefan Gsänger:

Wind has gained additional momentum in 2024, mainly thanks to China, which continues to lead the world. Some markets in the southern hemisphere, such as Brazil and Australia, are also showing encouraging growth. These countries are showing that accelerated change is possible – others should follow.

After the disappointing outcome of the UN Climate Change Conference COP29, people, communities and businesses around the world should take action themselves and begin the transformation to a renewable energy economy that will benefit the vast majority of humanity.

The necessary wind technology is available and can be easily deployed around the world – in combination with all other renewable energies.