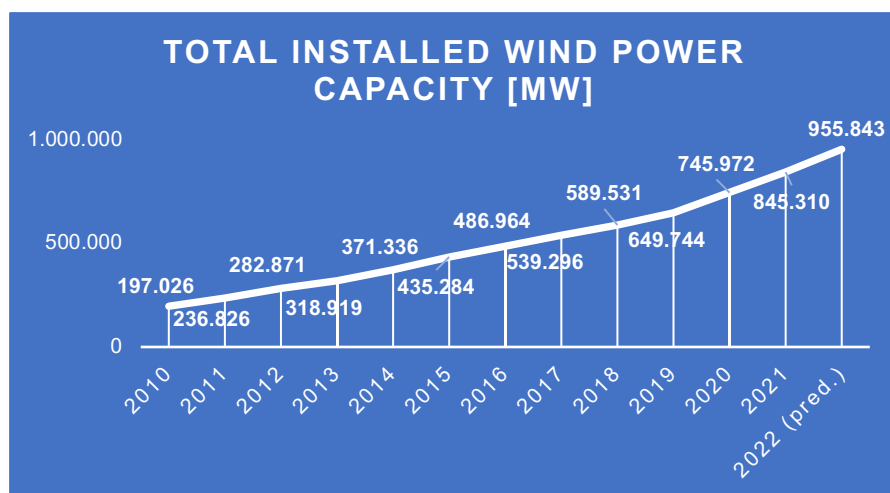


WWEA Half-year Report 2022

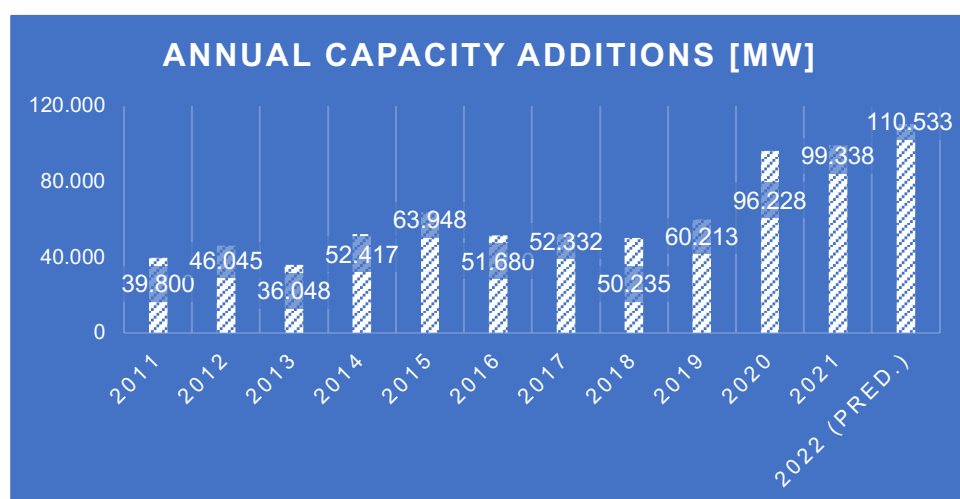
Worldwide Windpower Boom Continues in 2022:

- **More new installations in the first half of 2022 than in 2021**
- **Annual growth rate remains at 13%**
- **At least additional 110 Gigawatt are expected for the full year**
- **A total capacity of 1 Million Megawatt is expected for 2023**

The World Wind Energy Association WWEA has gathered statistics on new wind power installations in the first six months of 2022. 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 2022.



While in the first half of 2021, 27,6 Gigawatt were added, the world installed 28,9 Gigawatt in the same period of 2022. This equals an annual growth rate of 13%, when comparing the total installed capacity end of June 2022 and end of June 2021. With this, the global installed capacity stood in June 2022 at 874 Gigawatt.



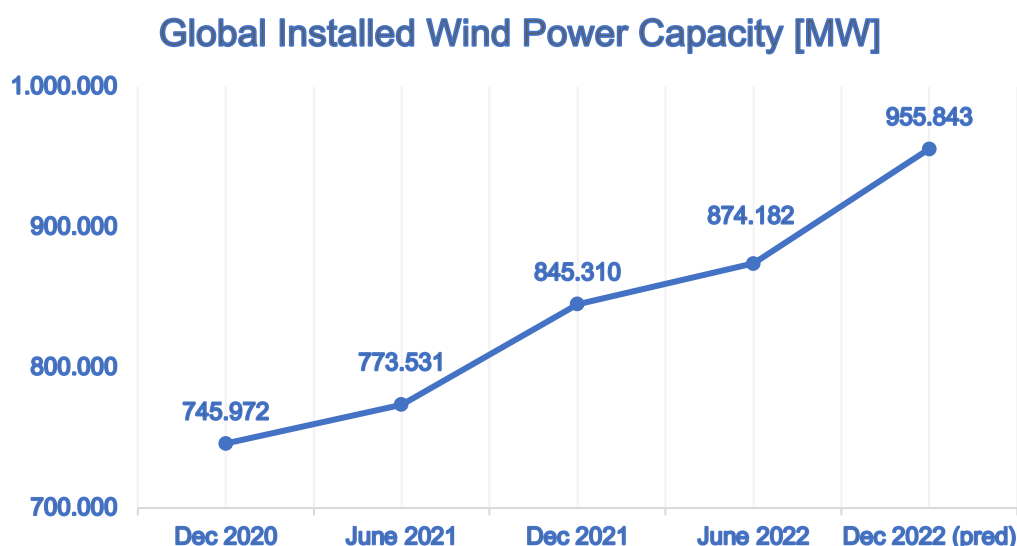
Additional momentum is expected in the second half of 2022. Accordingly and based on the estimations of our members, WWEA expects a total new capacity addition of at least 110 Gigawatt throughout the whole year 2022 which would represent a new all-time high, after 100 Gigawatt in 2021.

With this, the globally installed wind capacity will reach more than 955 Gigawatt by end of 2022 and will cross the threshold of 1 million Megawatt in the middle of 2023.

China will once more represent the lion's share with an expected installed capacity of 60 Gigawatt. Strong growth is also expected in other markets, including the US – although below 2021 levels, Spain as the most likely biggest European market in 2022 or in Brazil, the South American wind power leader.

Rank	Country/Region	Dec 2022 (predicted)	Jun 22	New Capacity 1-6/2022	Dec 21	Jun 21	Dec 20
1	China	406.670	359.770	13.100	346.670	301.750	290.750
2	United States	145.945	139.145	3.798	135.347	129.283	122.328
3	Germany	66.966	64.642	718	63.924	63.542	62.708
3	India	41.600	40.900	1.100	39.800	39.600	38.625
4	Spain	33.073	29.512	982	28.530	27.977	27.446
5	United Kingdom	NA	27.700	1.952	25.748	24.876	24.458
6	Brazil	26.466	22.034	197	21.837	19.100	18.010
7	France	NA	20.036	952	19.084	18.310	17.949
8	Canada	16.000	15.152	848	14.304	NA	13.627
9	Sweden	14.511	13.252	1.155	12.097	NA	9.922
10	Italy	11.600	11.400	100	11.300	11.000	10.850
	Rest of the World (estimated 2022)	193.012	130.639	3.970	126.669	138.093	109.300
	Total	955.843	874.182	28.872	845.310	773.531	745.972

WWEA President Hon. Peter Rae AO from Australia says: *“While the world leaders are meeting at the COP in Egypt to discuss ever more effective ways to tackle climate change through international agreements, the world’s wind energy sector is continuing to deliver its own practical solution. Furthermore, if governments continue to improve the legal frameworks for wind power deployment and operation, then the wind power growth can be accelerated to an even faster rate.”*



WWEA Secretary General Stefan Gsänger: *“It needs to be emphasised that the encouraging increased growth rates observed in the middle of the year 2022 are not yet a result of the response to the Russian war against Ukraine, and the corresponding problems with fossil energy supply and prices. As many governments have now started to implement new policies to accelerate wind power deployment, we expect additional momentum from next year onwards.”*