

Dear Readers, let us introduce you to our new 'double-goat' logo. We are equally proud of the new one as we were fond of the old one. Hopefully you will like it.

In this issue, we give you a glimpse of how **technical progress** and **repowering** is transforming **wind turbine installations**. It is something we regularly cover in our member newsfeeds:

- RWE commenced the repowering of its Muel wind farm in Spain, replacing 27 older turbines with three modern 6.6 MW turbines, and increasing the total capacity from 16.2 MW to 19.8 MW.
- VSB Group initiating the Elster wind farm repowering project in Germany, replacing 50 older turbines of 1.2 MW (60 MW), with 16 turbines of 6.8 MW (109 MW).

Both are impressive examples how repowering leads to capacity increases, simultaneously reducing turbine numbers.

Focussing on developments and potential in Germany, there are currently about 30,000 onshore wind turbines with an average capacity of only 2.17 MW. Average capacity increased by 1.3 MW to 2.17 MW over the last 10 years as can be seen in the table below. Our analysis is based on data published by the Bundesnetzagentur.

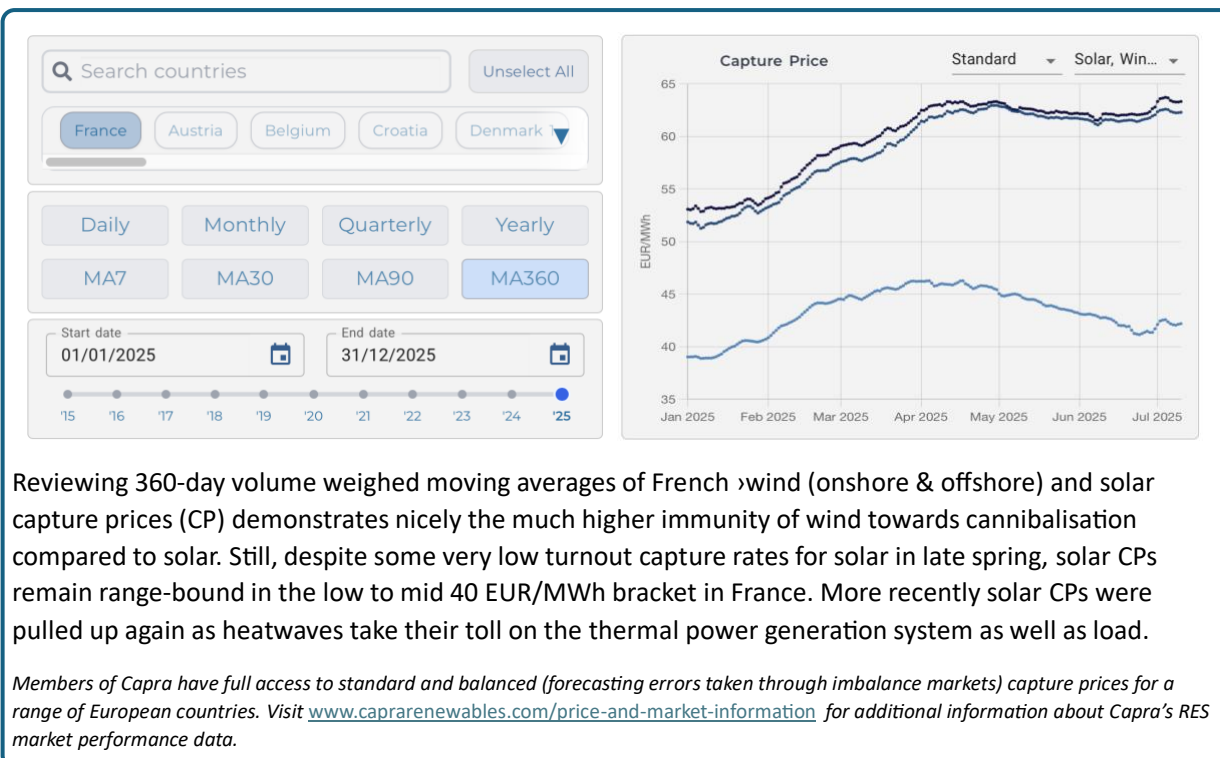
Year	Germany - Onshore Wind	
	Total Capacity	Av. Capacity per Turbine
	GW	MW
2015	41.30	1.67
2016	45.28	1.74
2017	50.17	1.83
2018	52.33	1.86
2019	53.19	1.88
2020	54.24	1.89
2021	55.87	1.93
2022	57.97	1.98
2023	60.97	2.06
2024	63.55	2.13
May-25	65.04	2.17

The next table breaks down the average capacity picture for German onshore wind over the period from May 2024 to May 2025 into three categories:

Average Capacity in MW	
Decommissioned	1.30
Comissioned	4.50
Permits Granted	6.05

The 6.05 MW turbines currently permitted are a far cry from what is decommissioned or the average park. Simplifying, this implies that replacing each of the 30,000 existing onshore wind turbines with what is currently permitted would increase total capacity in Germany to more than 180 GW. This compares to a target of 115 GW under the EEG law for 2030. In other words, achieving the EEG target with modern turbines would require only 2/3rd of the number of towers currently deployed in Germany.

Market View



Snapshot on New Advertisements on Capra Renewables

Type of Transaction	Sell-Side Buy-Side	Energy or Resource	Place of Transaction	Min – Max	Technology of Asset	Status of Asset	Location of Asset
Physical Energy / PPA	Sell – (Energy; Green	Pyrolysis Oil from Waste	Belgium	10000 – 20000		Ready to Build	Belgium

Full details and contacts behind advertisements are available to members of Capra Renewables. Capra Renewables does not charge introducer or success fees.

Selection of Newsfeeds

Masdar and Iberdrola agree €5.2 bn UK offshore wind deal, energize 476 MW German project

Masdar and Iberdrola will jointly invest €5.2 billion in the 1.4 GW East Anglia THREE offshore wind farm in the UK, set to begin operations in late 2026. The project secured €4.1 billion in financing. Separately, their 476 MW Baltic Eagle wind farm in the German Baltic Sea is now fully energised.

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NextEnergy powers up two UK solar farms adding 130 MW capacity

NextEnergy Capital has brought two new solar farms online in Nottinghamshire—Inkersall at 70 MW and Crifton at 60 MW—through its private fund NextPower UK ESG. The projects, awarded Contracts for Difference in the UK's Allocation Round 4, officially launched on July 9, 2025. Their commissioning increases the fund's operational capacity

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O2 mobile network in Germany powered 60 percent by offshore wind energy

O2 Telefónica Germany is now sourcing 60 percent of the electricity for its mobile network from offshore wind farms. The energy comes from two long-term power purchase agreements: one with Iberdrola's Baltic Eagle wind farm in the Baltic Sea, which began supplying power in July 2025, and another with RWE's

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German Bundestag approves full implementation of RED III for onshore wind energy

The Bundestag has passed legislation to fully implement the EU's RED III directive for onshore wind, aiming to streamline permitting and accelerate project development. Key changes include simplified licensing procedures under environmental and water laws, adjustments to planning codes, and the continuation of fast-track rules in designated wind zones. Emergency

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Quadoro and EB-SIM invest in two German solar parks

Quadoro Investment and asset manager EB-SIM have jointly invested in two new solar developments located in Treuenbrietzen (Brandenburg) with 8.3 MW and Bruchweiler (Rhineland-Palatinate) with 17.6 MW. These projects represent the inaugural investments of their open-ended Article 9 fund, the Quadoro Erneuerbare Energien Europa.

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Field Group begins construction on Scottish BESS projects

Field Group has started building two battery energy storage sites in Scotland. The projects are part of the company's broader UK expansion strategy, which includes a recently secured £42 million loan to develop a 125 MW battery portfolio.

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