

French Southern Territories wind energy systems

Are there floating wind turbines in France?

Floatgen, the 2 MW floating wind turbine, installed on the Centrale Nantes offshore test site, SEM-REV (off Le Croisic), produced 14% more power in 2020 than in 2019, reaching an annual total of 6.8 GWh. To date there are no fixed or floating offshore wind turbines in France.

Where is the first offshore wind turbine built in France?

Equipped with the Ideol's Damping Pool ® system and built in prestressed reinforced concrete by Bouygues TP. After a few months of construction in the Penhoët basin (Saint-Nazaire), the floating foundation that will equip the first offshore wind turbine in France was launched in September.

Why is wind power growing in France?

Therefore, it is not a coincidence that the electricity production from wind power has increased during the last years in France to reach 37.5 TWh at the end of 2022. This growth is boosted by the development of the offshore sector, which offers innovative solutions with companies from the naval and hydrocarbon industries.

Where are wind farms in France?

Other wind farms are currently under construction, for example, in Fécamp (Normandie) and Saint-Brieuc (Bretagne). The onshore sector increased its production capacity by 1.9 GW in 2022. Learn more: Wind power in France: why the transition will accelerate

How many companies work in French wind energy?

More than 900 companies with complementary expertise and skills compose the French wind energy ecosystem. In total, over 25,000 talents work directly or indirectly in this industry, a number which is quickly increasing, +12% compared to 2019.

Why is the offshore sector growing in France?

This growth is boosted by the development of the offshore sector, which offers innovative solutions with companies from the naval and hydrocarbon industries. In 2022, France inaugurated its first offshore wind farm in Saint-Nazaire (Pays de la Loire) with a capacity of 480 MW.

While traditional telecom infrastructure is minimal due to the region's isolated nature, satellite communication systems are in place to cater for the limited inhabitants. Given the remote and harsh conditions, renewable energy, particularly wind ...

France will use the EUR4.12bn to build and operate two offshore floating wind farms in the Golfe du Lion. Each will have a capacity of 230-280MW capacity and will generate 1.1 terawatt-hours of clean electricity annually. Two beneficiaries will be chosen in 2024 through a non-discriminatory bidding process.

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Abstract: Isolated French power systems, such as the overseas departments and territories, are facing high ambitions for decarbonization of the energy mix. These systems encompass a wide variety of situations, with wide range of consumption levels and numerous decarbonization strategies, which include massive penetration of solar and wind ...

Imagine having the power to visualize the entire energy landscape in a single map--analyzing wind farm potential, optimizing pipeline routes, and assessing environmental risks--all at your fingertips. How can spatial data transform the energy sector and enable smarter decisions?

Today, FLOATGEN is the only offshore wind turbine, fixed and floating together, to be installed in France. The project named Floatgen, managed by Ideol, Centrale Nantes and Bouygues TP is a 2 MW floating wind turbine and will be the first offshore wind turbine in France.

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Through Vector, Octopus has invested in Ocergy, a French tech company innovating in floating offshore wind. Octopus has now committed \$2bn to offshore wind projects worldwide and aims to invest \$20bn by 2030.

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During the last 10 years, wind turbines have grown by 17% in size while their production capacity increased by 200%. A complete ecosystem across the value chain. More than 900 companies with complementary expertise and ...

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The Floatgen European research project led by Ideol on offshore wind energy will be a first in France: the deployment of a 2MW integrated floating-wind turbine system, at the SEM-REV test site.

The French government has published a detailed map setting out the future deployment of offshore wind farms, key to meeting the country's renewable energy targets for 2035 and 2050. It has also announced the launch of tender number 10, known as "AO10", for 9.2 GW, by early 2025.

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