

Press Release

Farwind Energy and Loiretech Ingénierie confirm their intention to combine their know how and resources, enabling the emergence of a new Flettner rotor production sector

Wednesday 4 may, Paris

At JEC World, the largest international trade fair dedicated to composites, Farwind Energy and Loiretech Ingénierie confirmed on Wednesday 4 May 2022 their intention to combine their know-how and resources by signing a Memorandum of Understanding. Their objective is to develop together a production line for Flettner* rotors of unique dimensions on the market.

Farwind Energy is a spin-off from the Ecole Centrale de Nantes which is developing a highly efficient and disruptive solution for offshore wind energy conversion. This technology is based on an energy ship propelled by the wind using Flettner* rotors. The energy ship is equipped with water turbines under its hull which convert the ship's kinetic energy to electricity.

Loiretech industrialises large composite parts, mainly for the aeronautics sector, and has been developing since 2020 a strategy for the production of large and complex composite parts for the energy and low-carbon mobility sectors. Loiretech's know-how can be applied to the production of rotors.

Farwind Energy and Loiretech Ingénierie are involved, with the support of the Pays de la Loire Region, in the FARMOTION project, which aims to design and industrialise a very large Flettner rotor-type offshore wind energy conversion module (7m diameter, 50m high).

Aiming the exploitation of the offshore wind resource at a competitive cost, Farwind Energy and Loiretech Ingénierie are opening up the Flettner rotor propulsion system to the offshore energy conversion market. They also help structuring this sector in the Pays de la Loire region and beyond.

** Flettner rotor: vertical rotating cylinders which convert wind into a propulsion force through the Magnus effect.*