

Arzon, Morbihan – Brittany France, The 25th of April 2017

Success of Guinard Energies Tidal turbine demonstration



To note :

- Forum on renewables and Marine Energies in Brittany from April 15th to June 3rd 2017.
- Operational demonstration of Guinard Energies technology in the Gulf of Morbihan Saturday 15 April Afternoon
- Guinard Energies: MegawattBlue technology is a 2-fold better hydrokinetic turbine

The Forum Energies Marines Renewables and tidal turbine at Arzon from 15th April to 3rd of June 2017 is organized by Climation Bretagne Sud, with the participation of Arzon's representatives, Morbihan Energies, the regional Nature Park "Golfe du Morbihan".

Guinard Energies, a start-up company in Brest, participated to the forum and conducted an operational demonstration of its MegaWattBlue hydrokinetic turbine in the "Golfe du Morbihan", French Brittany. A boat dedicated for local representatives and journalists, was able to follow the demonstration by wireless connection to the output power supplied by the turbine (300 kW for 8 meter diameter at only 2.5 m/s –current velocity in the gulf can reached 3.6 m/s, ie 7 knots)



Figure 1 : tidal turbine stated on the barge

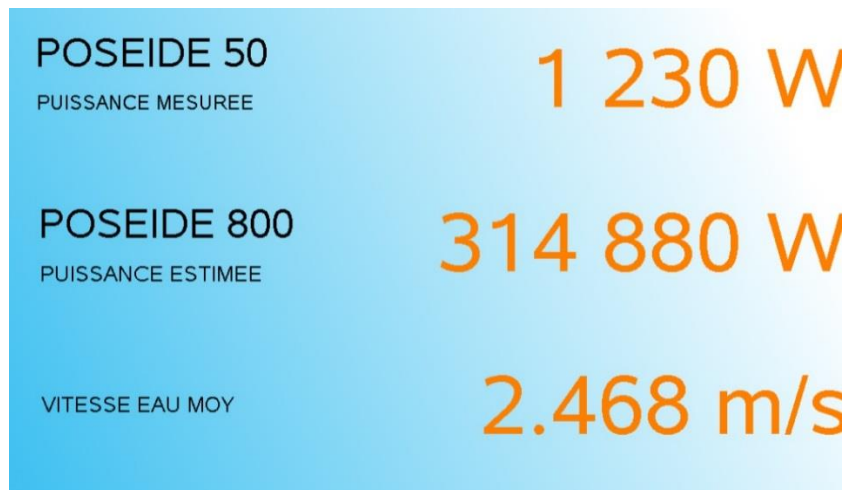


Figure 2 : Power supplied by the tidal turbine and its extrapolation for an 8 m diameter MegaWattBlue tidal turbine
Translation: Power measured / Power estimated / Average water velocity

Guinard Energies develops all dimensions of hydrokinetic turbines. Marine and river hydrokinetic turbine from 3.5 kW to 20 kW for isolated areas as well as larger hydrokinetic turbine up to 1 MW for only 8 meter diameter and 7 knots of current.

A 4-meter diameter tidal turbine to be installed in “Ria d’Etel”, Morbihan (56) is currently under construction. Installation is planned beginning of 2018. Smaller hydrokinetic turbines are already available, a green and efficient electrification solution for isolated areas around the world.

The first small hydrokinetic turbine will be installed in Guyana, in a river, for the electrification of a research center. This hydrokinetic turbine will replace the use of genset and will satisfy the electrical needs of scientists.

Tidal and river turbines are a solution for the future to increase the share of renewable energy in our energy mix.

www.guinard-energies.bzh
<http://climactions-bretagnesud.bzh/>

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