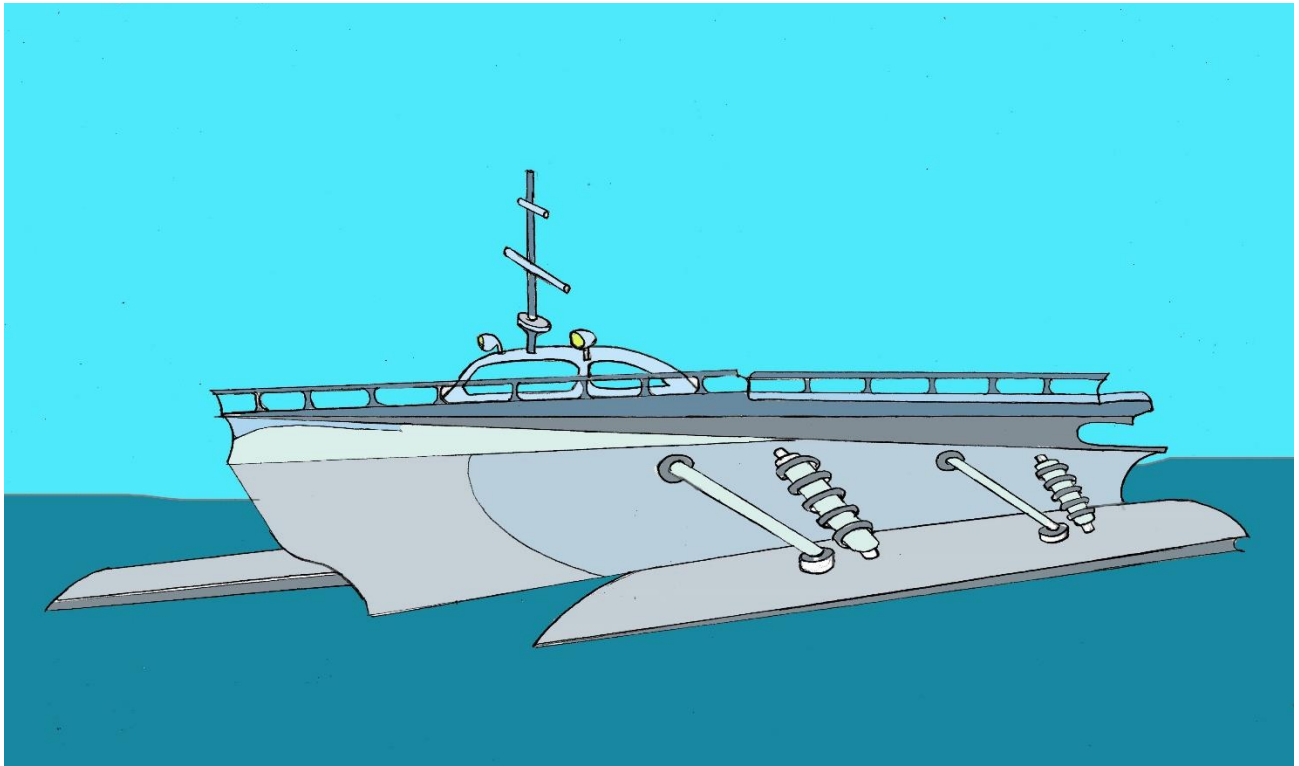


## Self-Propelled Electrotrimaran

This electro-trimaran differs from usual that pontoons are connected to the case of boat not rigidly, but hinged - by means of bars and springs. Therefore pontoons can move concerning the case.

One end of a bar incorporates to a gear of hydraulic mechanism which rotates a shaft of the generator. Hydraulic pistons are installed inside of springs such as shock-absorbers. During fluctuations of pontoons the air (or liquid) of these pistons is forced in special turbine which rotate a shaft of the generator. Depending on size of trimaran it is possible to use only hydraulic or only “ratchet” system.



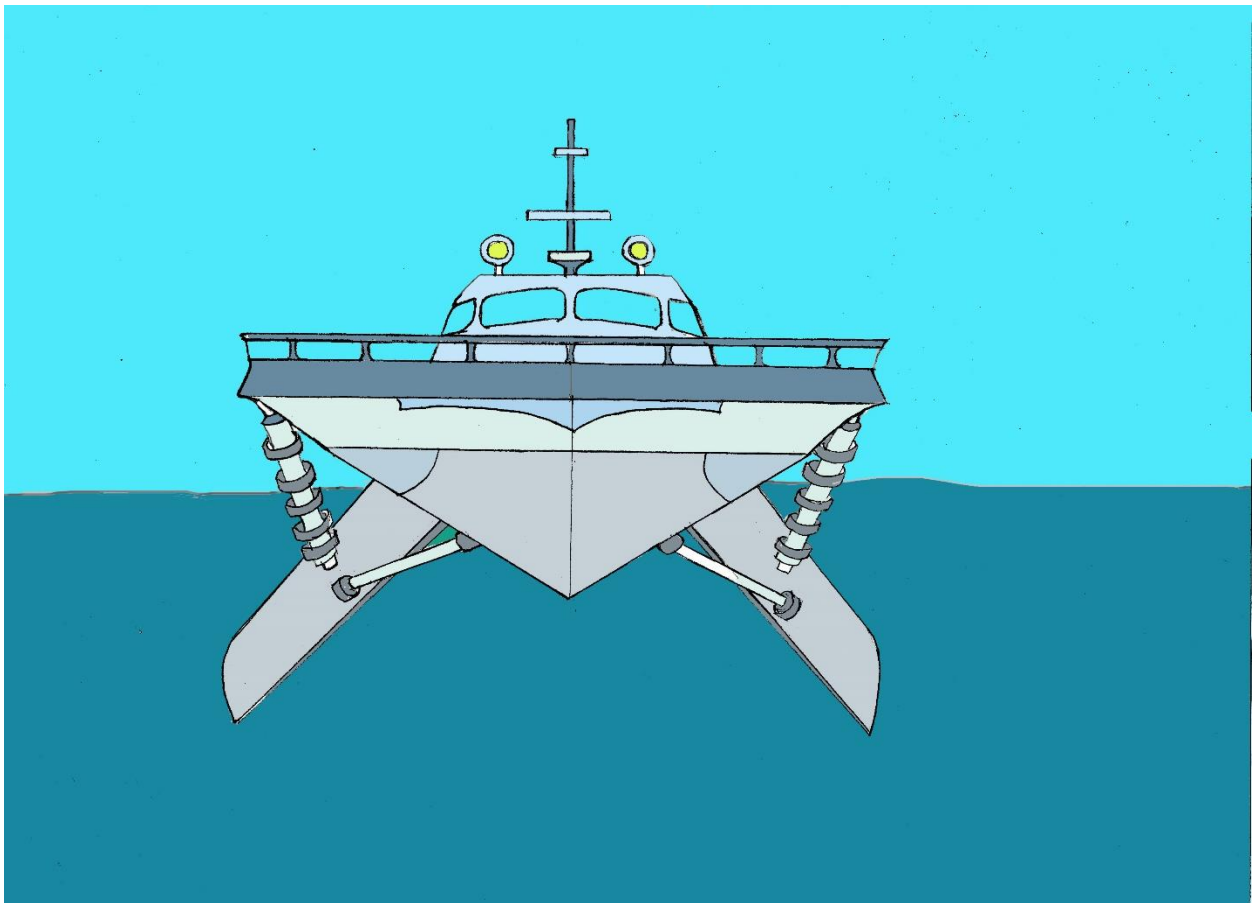
Thus energy of fluctuations of pontoons will be transformed to the electric power. Force of Arkhimesdes working on pontoons is sufficient to develop the electric energy necessary for movement of a trimaran. Hence this trimaran will not require fuel.

It is possible to establish on kiel of pontoons such small elerons which provide the moving of

pontoons even at navigation during a full calm.

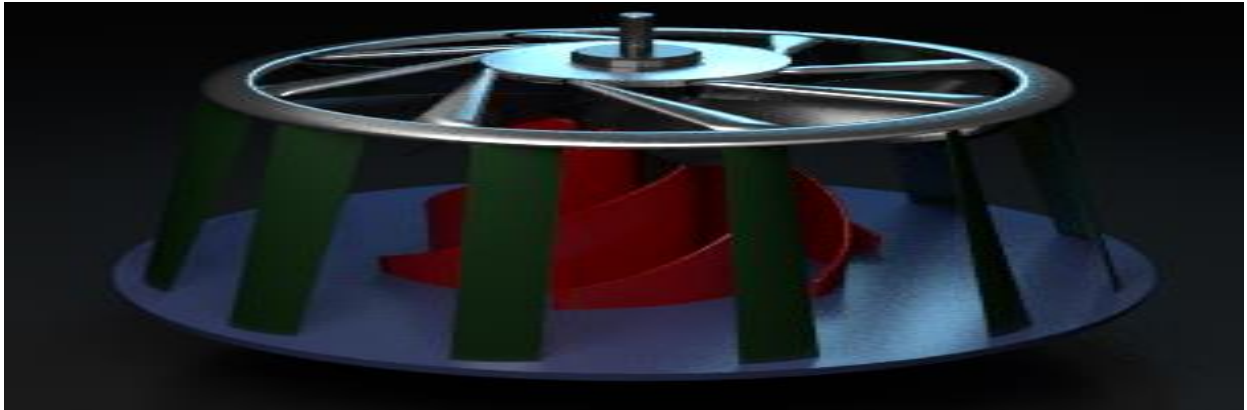
This principle can be used both on catamaran and on the big boats. In case of the big ships the pontoons will be much less than cases of the ship.

This design cannot be weak in the small ships. If the suspension bracket of the automobile maintains the contact to the firm ground then the suspension bracket of pontoons should maintain the influence of soft water easily.



On the roof of the trimaran, it is possible to install combined wind turbines. Such turbines are very flat but have more power than vertical ones of the same diameter due to the original

combination of side blades, propeller and expander.



**These turbines will generate electricity during mooring.**

Such trimaran could be invented more than 100 years ago when the first electromotors and accumulators have appeared.

But such design is not present neither in patent archives, nor in textbooks as bad examples.

The first application for this trimaran has been sent in 1997.

And the similar design has been offered only in 2011 by others inventors.