



**CENTRE**  
FOR MARITIME TECHNOLOGY TRANSFER



## **Underwater power generation**

### **Sea wave energy**



#### **INNOVATIVE NATURE**

The invention's essence is its novel mechanical motor design, which is driven by the energy of sea waves passing through its drivetrain.

The motor is thus able to provide continuous drive to a generator or other energy device, resulting in unidirectional rotation regardless of sea wave flow direction.



## BENEFITS FOR INDUSTRY

A power plant that produces electricity from sea waves has the following advantages:

- environmentally friendly;
- flexibility in installation (vertical or horizontal arrangement, direct or indirect drive);
- more aesthetically pleasing than tidal power systems;
- simple construction at a reasonable cost.



## POTENTIAL USERS

- electric energy producers;
- seaside municipal governments;
- seaports;
- shipyards;
- water construction companies;
- RES companies;
- companies involved in exploration of marine and ocean resources.

**Centre for Maritime Technology**  
**Transfer Maritime University of Szczecin**  
cttm@pm.szczecin.pl  
tel. +48 91 48 09 480/969

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**Contact:**  
**The Faculty of Mechanical Engineering**  
**Maritime University of Szczecin**  
dr hab. inż. Leszek Chybowski, prof. PM<  
l.chybowski@pm.szczecin.pl  
wm.pm.szczecin.pl