

## New Finnish product for sailboat renewable electricity generation

Finnish company Remoran Oy has developed a new product for sailors: The Remoran Wave 3 hydrogenerator.

The company manufactures electricity generating products that utilize renewable energy sources. The innovator Pekka Aura is an avid sailor himself and well aware of the challenges sailors face with onboard power. The new hydrogenerator offers a solution.

The Remoran Wave 3 hydrogenerator produces renewable electricity while the sailboat is in motion. During sailing the hydrogenerator charges the batteries while supplying power to onboard appliances such as instruments, GPS plotters and refrigerators. At the end of the day sailors can arrive at their port with batteries filled, and do not need to fight for limited shore power outlets. Accordingly, the need to run diesel motors or generators to top up batteries is greatly diminished.

Using Remoran Wave 3 is simple. The outboard unit is attached to the boat's transom by a small but sturdy mounting rail. While the boat is in motion, the hydrogenerator's turbine rotates in water and the generator starts producing electricity. The produced three-phase alternating current is converted to direct current suitable for the boat's batteries (12V/24V) by the Remoran Charger 300W electronic charger unit. The charger also ensures proper charging sequence for both lithium and lead acid batteries.

Remoran Wave 3 distinguishes itself by its clean design and practical features. The telescopic design and integrated angle adjustment of the outboard unit make it easy to fit to most sailboat transoms without bulky external hardware.

Remoran Wave 3 is designed and manufactured in Finland. The company has received a Registered Community Design (RCD) for the product granted by the EUIPO, covering all EU countries. A Registered Community Design has also been granted by local authorities from Switzerland, Norway, Canada and Australia. Remoran Oy has recently opened an online store at [www.remoran.eu](http://www.remoran.eu).

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Attachments and other language versions can be found on our website [www.remoran.eu/press](http://www.remoran.eu/press)

Attachment 1: [1\\_Remoran\\_hydrogenerator\\_fits\\_many\\_types\\_of\\_sailboats.jpg](#)  
Remoran Wave 3 hydrogenerator is adjustable to fit easily on most types of sailboats.

Attachment 2: [2\\_Remoran\\_Wave\\_3\\_outboard\\_unit\\_is\\_easy\\_to\\_use.jpg](#)  
Remoran outboard unit is easy to use and store thanks to telescopic design.

Attachment 3: [3\\_Remoran\\_Charger\\_charges\\_batteries\\_with\\_300W\\_maximum\\_power.jpg](#)  
Remoran Charger 300W automatically chooses the charging voltage according to the boat's installed system, either 12 or 24 volts, and charges batteries with up to 300W power.