

Outboard design hasn't changed much for 100 years







1917

#### Why electric in the first place?

Zero direct emissions

Silent operation = noise reduction

Higher overall efficiency = higher torque at lower speeds

Require less maintenance

Rise in bans and regulations on the use of gasoline outboards in protected areas and city centers



#### Topics Policy Contact News

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#### Emission-free zone for pleasure craft

From 1 January 2025, an emission-free zone for pleasure craft applies in Amsterdam. Only emission-free pleasure boats will be allowed in the zone in the city centre. There will be transitional arrangements and an exception for through waterways.

#### **Emission-free boats**

- Electric or hand-propelled emission-free boats holding a valid green vignette are welcome in the zone.
- Hybrid boats with both an electric motor and a fuel engine, holding a valid <u>yellow vignette</u>, are also welcome, if using the electric motor.

Currently, emission-free pleasure craft benefit from a 70 per cent discount on mooring fees.



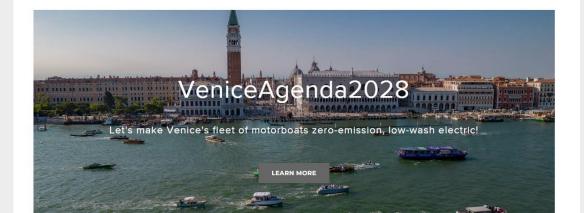
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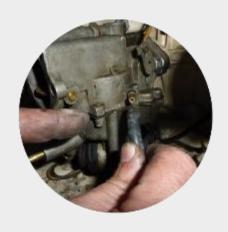
## Why?

- Unreliable
- Maintenance heavy
- Noisy and vibrating
- Stinky and greasy
- Bulky and heavy
- Difficult to store
- Cause frustration and even fear
- Polluting water and air directly







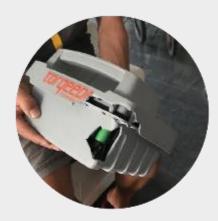


# options aren't solution

- And electric seen as a viable







- Heavy and bulky
- Corrosion on cables
- Require quite some maintenance
- (Plastic) housing degradation
- Fixed lengths demand producing variants of the same model
- Look unappealing are percieved as garden appliances



## How?

By knowing our users,
eradicating their pains one by one,
and following circular design principles.



## Meet RemigoOne.

World's first 1000W electric outboard in form of a rudder.

A simple, honest, frustration free boating experience for anyone – boaters, sailors and learners.



## Key differences

- Works as a rudder
- Aluminium IP67 watertight housing
- Lightest on the market
- Integrated all vital components and cables
- Innovative 2-part mounting system
- Intuitive interaction and operation
- Easy to handle



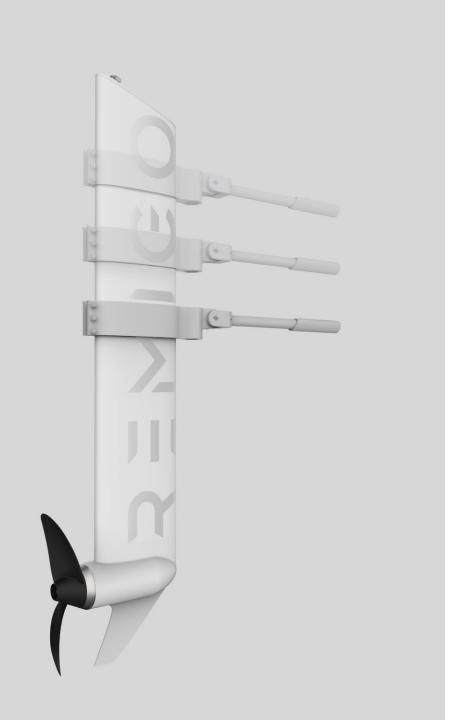
#### It is versatile

One model covers the needs of 5 different segments

Fits in saltwater and freshwater

Perfect for experienced boaters, but also learners

One size fits on all small vessels



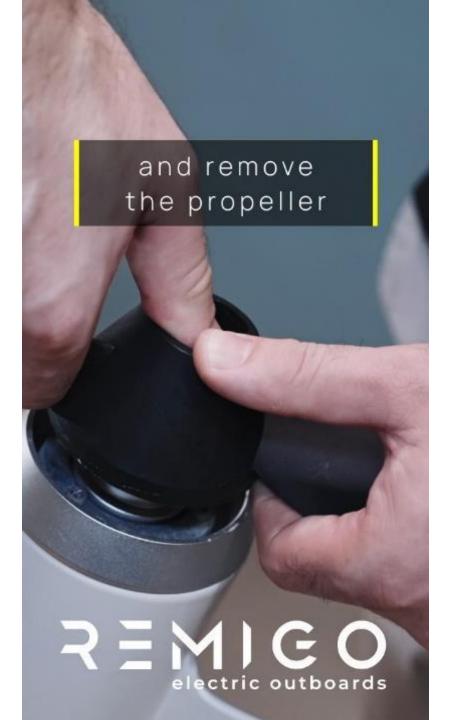
## One-size-fits-all design

- Fits to any boat up to 8m or 1.5 tons
- eliminates the need for producing different size versions
- gives users freedom to switch boats
- makes it perfect for rentals



### Built to last

- Premium quality where it matters
- Durable aluminium housing
- Vitals parts safe from harmful environment
- Near zero maintenance
- Extended product lifespan



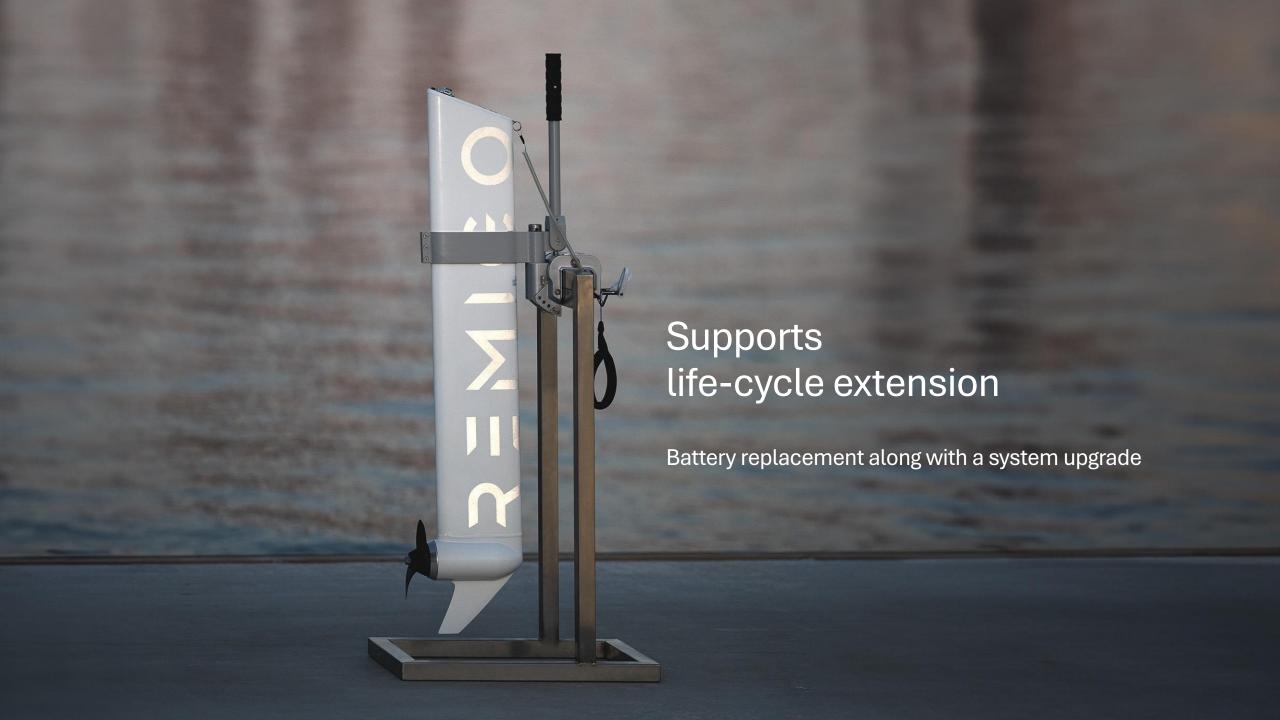
### Modular and repairable

- Vital parts designed as modular blocks
- Easy maintenance
- Components easily replaceable
- Reducing full product replacements



## Supports charging from renewable energy sources

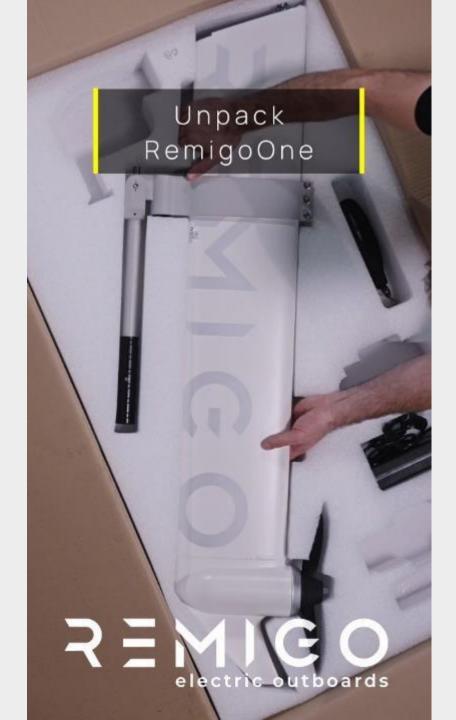
- Via solar panels
- Via existing solar panels on boat
- Hydro regeneration (future plan)





## Builds emotional attachment

A well-designed, visually pleasing product encourages user to maintain it and take better care of it.





# Comes in multifunctional packaging

PE foam – perfect material qualities for safe storage and transport

Transitioning to pulp-mold



# With responsibly designed accessories

Search for material alternative

Locally sourced

Building a new circular business model

Supporting local employment



### Why sustainability?

Entrepreneur's personal ethics (do no harm)

Market driver (especially in the up-market segments)

- customers expect companies to be responsible
- no harm to fellow humans
- no harm to animals
- no harm to environment
- longer product lifespan
- the use of (a more sustainable) product enables customer to reduce his pressure on the environment

Unsustainable companies are finding it increasingly hard to be successful on the market



## Sustainability has a price

- Higher cost of materials
- Higher cost of services
- More expensive production process
- More expensive MKTG efforts
- The cost of certificates (sustainable, circular...)
- Bureaucratisation



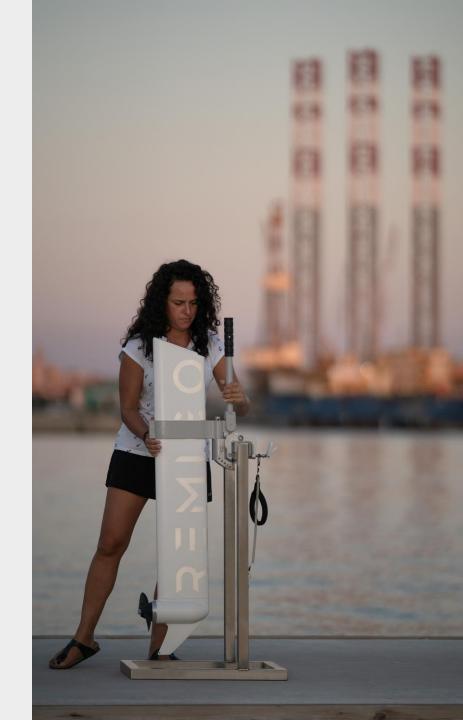
## Is it feasible to pay for more sustainable outcome

#### Yes!

- it pays off on the long term (brand equity, better products, better optimised production)
- easier entry to certain (developed) markets
- ethical superiority

#### **Caution! -** Threats to sustainability

- Many of these expenses go to "wrong" hands
- Fake sustainability, Greenwashing
- Threat to loose a competitive edge with pricing
- Threat of overregulation (happening in EU right now)



## Why protecting the IP

- 1. Freedom to operate
- 2. Protect the investment in R&D, design, know-how
- 3. Increase the value of the enterprise / company





#### Best electric outboard motor



#### Remigo

Specifications

Outboard weight: 12kg

Overall weight with outboard and bracket: 14.5kg

Battery capacity: 1085Wh

Top speed: 5kts Thrust: 30kg / 66lbs

Designed along the lines of a dinghy rudder, this Remigo outboard is incredibly easy and intuitive to use. No external cables or anything to be snagged, it clips onto a bracket pre-mounted to your tender or dinghy, in a similar way that you'd attach a

dinghy rudder.

## Sustainable industry production = no IP protection?

With no IP protection other companies / competition will spend less (= use less resources) to develop the product or service they are copying

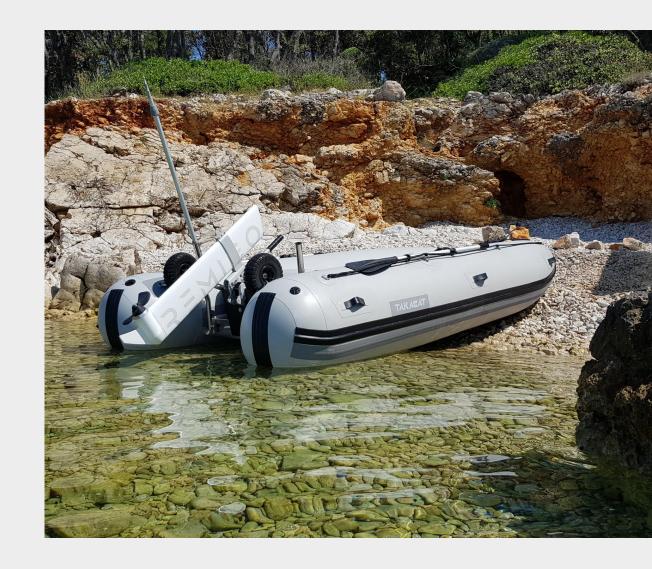
#### YET:

Customers get confused / are buying inferior products

Innovative companies get out of business: copycats can be cheaper – no R&D costs

Innovation potential of the society is crippled

No innovation = no increase in sustainability



## IP protection is just the beginning

- IP protection = significant cost for a startup
- The real costs emerge when needing to protect IP from counterfeiters
- It is hard to win a dispute with a big corporation



#### Introducing eLite

The ePropulsion eLite 500W electric outboard redefines your on-water experience with innovative features and commitment to sustainability. Designed to be the most compact and lightweight electric outboard in its class, it is an easy-touse alternative to small internal combustion engines for enthusiasts worldwide. Perfectly blending efficiency and mobility, it represents a new era in clean, quiet, and ecofriendly marine propulsion.







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#### Temo Vs Remigo: Hors-bord électrique, un concept, deux produits!

Paul Gury • Le 19/07/24





















D'un côté, le Remigo One, distribué depuis le début de l'année par Plastimo et lauréat du prix « Design Award » du Mets 2021, de l'autre le tout nouveau Temo 1000, de la société vannetaise éponyme, longtemps attendu mais enfin disponible...

### RemigoOne IP protection case

#### We protected some elements

- Model / design of the product (so that customers don't get confused / mislead)
- Integration of the components (a lot of engineering hours invested)
- Brand name

#### And left some elements unprotected

- Console mounting system (the ambition to become industry standard). The goal = interchangeable gear on the same mount.
- UX; handling, user controls it is immoral to patent the most natural way of human interaction with a (propulsion) system







Marko Vrtovec, CEO and Founder Ajda Bertok, Lead Designer and Co-Founder

www.remigo.eu info@remigo.eu











