

Resen Waves Smart Power Buoy



www.resenwaves.com

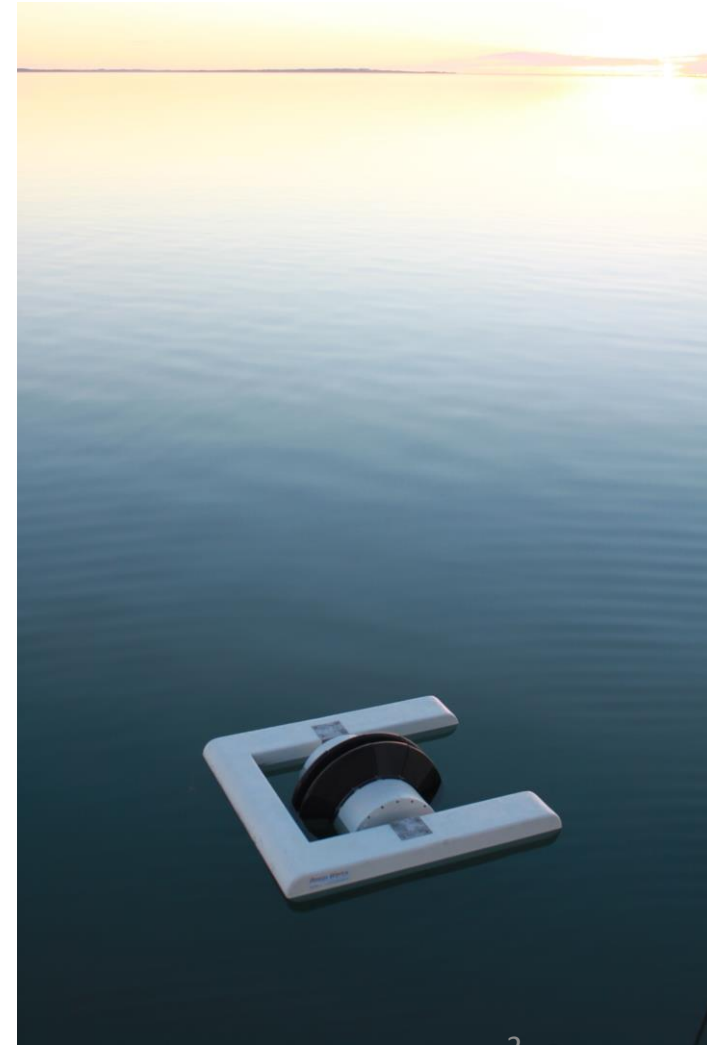
Per Resen Steenstrup
Founder & CEO, M.Sc. M.E.

Resen Waves

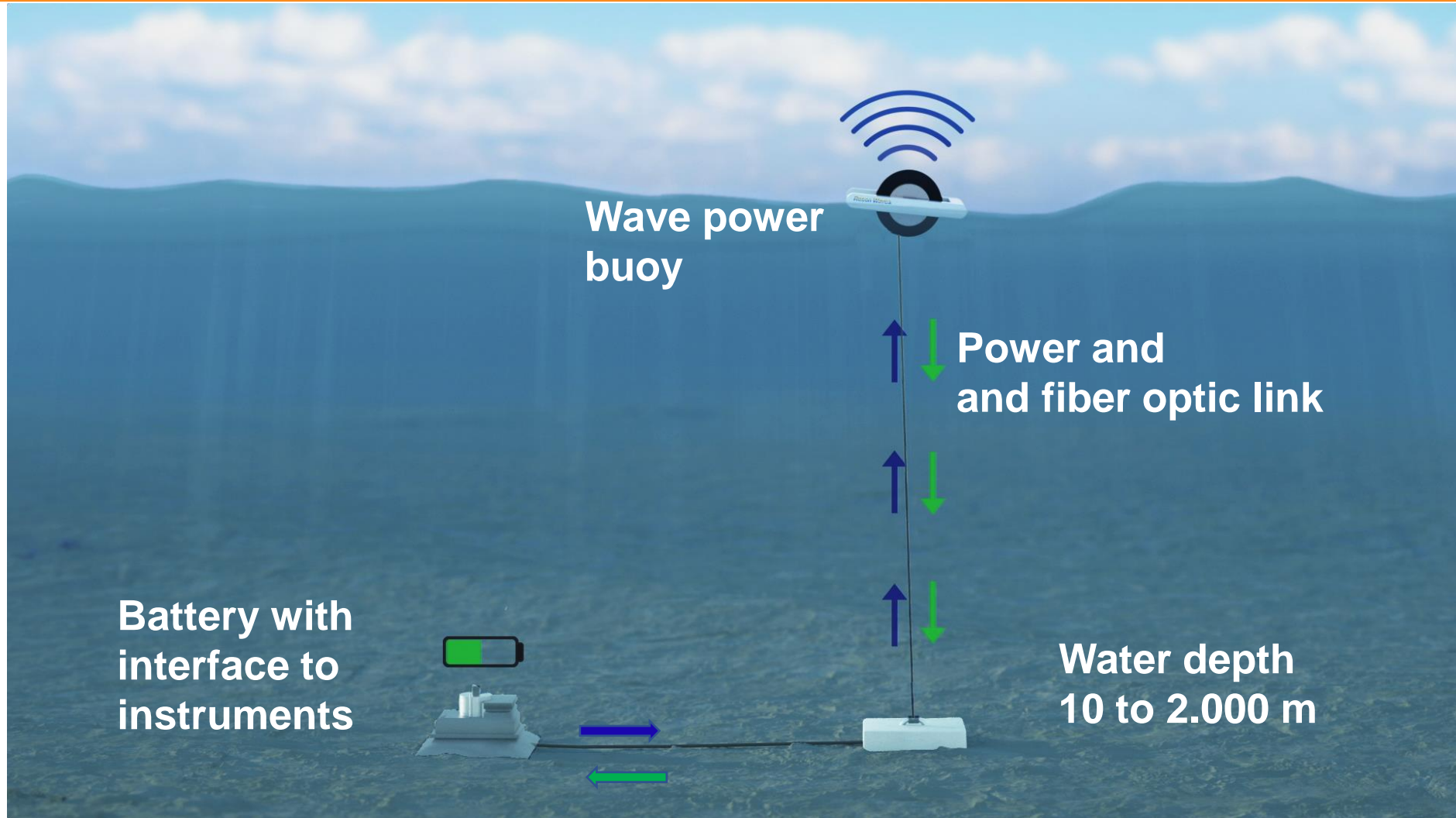
What Value Do We Add

To develop, produce and sell **plug & play offshore power buoy solutions**, which provide power and instant global data access to underwater sensors and instruments.

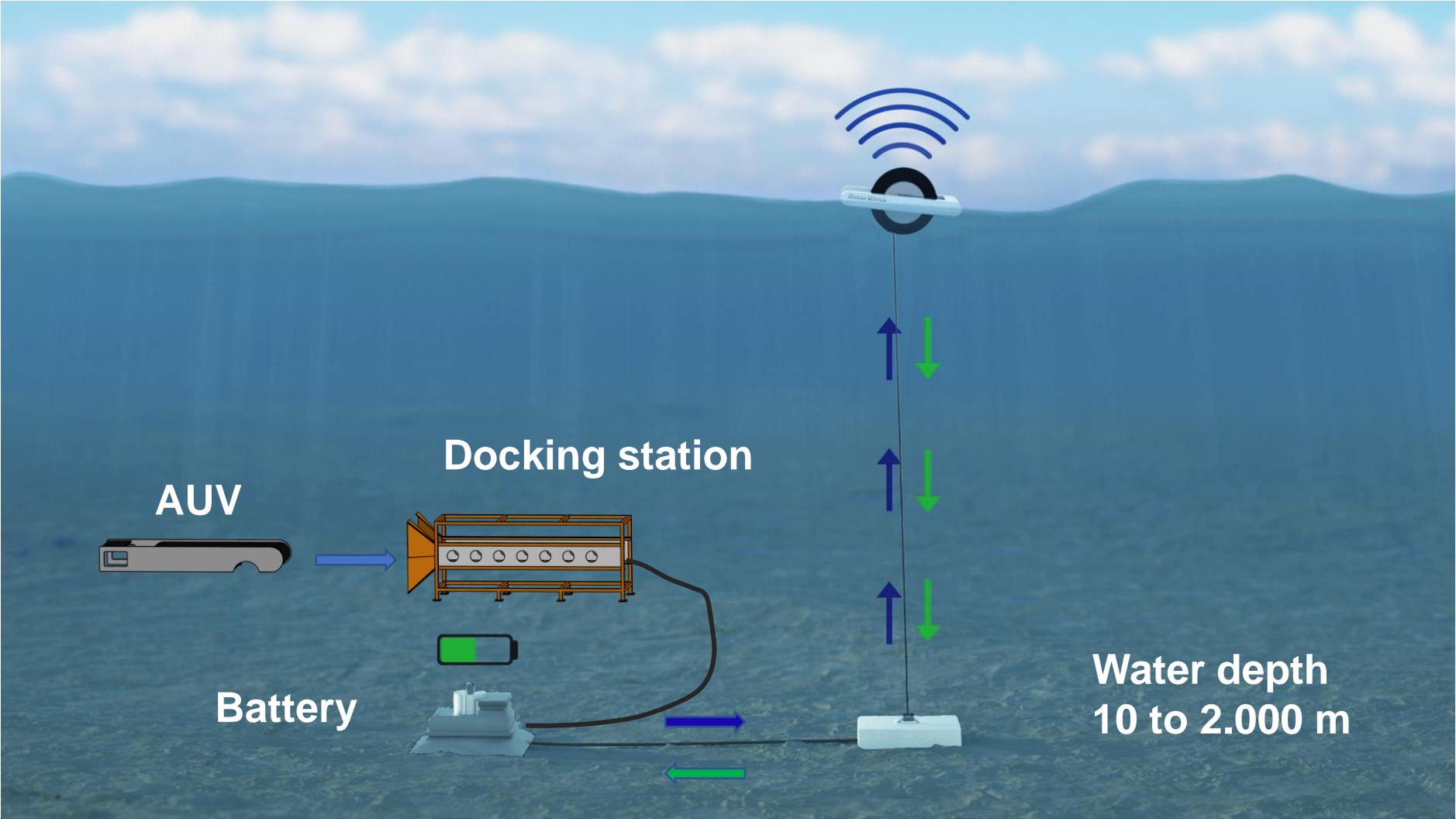
- We replace expensive diesel ship operations with Autonomous Underwater Vehicles (AUVs), which is: 5 times faster, 90% cheaper, net zero and improves human safety, compared to ships.
- Each ship replaced, saves 10.000 ton CO₂/y and saves 18 M€/y.



How Does It Work



Autonomous Underwater Vehicles (AUV)



Why Are We Here

- The offshore Oil & Gas market is undergoing a significant transformation in new technology to cut costs, be green and improve safety.
- More than 10.000 offshore sites needs inspection.
- CCS is happening as the next new trend.
- The offshore wind industry is maturing – repair & maintenance is a priority for operators
- There is global push for much better real time information on the health of the oceans.
- Soon the world will have a large network of communication satellites which will require autonomous power and data communication below water.

Goal 6: Clean Water
Goal 7: Clean Energy
Goal 14: Life below water



Competition

Only current competitor is **Ocean Power Technology** OPTT in the US.
Direct comparison of 300 Watt buoys with same performance:

	Ocean Power Technology	Resen Waves
Weight in tons	8	0.5
Length and width in m	14 x 3	3 x 2
Price USD	2,000,000	120,000



Where We Are and What We Have



Locations:

- HQ, Sales and R&D in Denmark and manufacturing with subcontractors in Denmark.
- Registered companies in the UK (owns the Group) and Texas

We have:

- In-house control of all critical technical know-how
- Patent coverage in all major global markets
- Earlier investments 2011-20 in all: € 4,0M
- Sales to first international customer and 0,5 M€ sales Dec 2021 for CCS application in Nini Field in the North Sea and follow on orders to same customer in 2023-24.

Products:

**First prototype sold to HK
300W Smart Power Buoy**



Our Goals

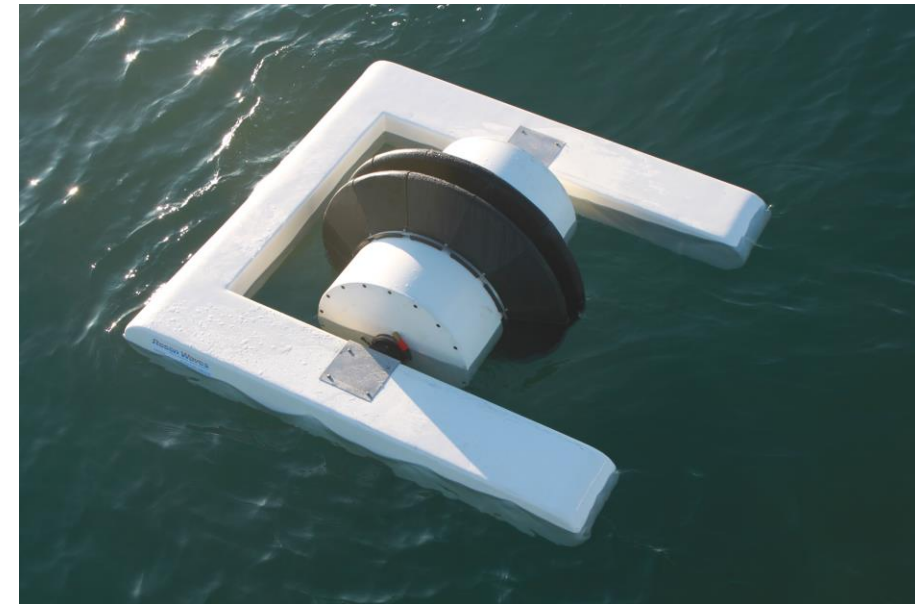
As a "first mover" we aim to become the preferred international supplier of wave powered buoys for charging, remote monitoring and surveillance in the oceans.

We will build up a global network in a specialized niche market based on:

- Direct sales of HW/SW solutions + dealers where it makes sense.
- Providing long term 5 to 10 year service agreements.
- Providing rental solutions (pricing 1% per day of new value)
- Being profitable in 2024 and growing organically based on profit margins of +75%.
- Reach sales of 12 M€ in 2025 and net profit of 4 M€
- Estimated annual market size is : +300 M€

Current & Future Product Pipeline:

- 300W buoy available now.
- 3kW buoy available in 2023-24



Management Team



We are a lean high-tech company based on more than 25 years of experience in offshore under water instruments. We work alongside a team of 10 hand-picked subcontractors



Per Resen Steenstrup: CEO, M. Sc. ME, and serial entrepreneur: Reson, Wave Star and Resen Waves, since 2010. Extensive experience in underwater & global sales to offshore companies.



Andrea Baldini: CTO. Mechanical Engineer, M.Sc in Ocean Technology. Joined Resen waves in 2015 and has been a key player in creating the unique Smart Power Wave Buoy we have today.



Harry Bingham: a highly respected, widely published professor in wave loads & numerical modeling.



Jane Blinkenberg: Non-Exec board member since 2018, seasoned technical marketer / commercial advisor. Over six years direct experience in Oil & Gas, Survey & Marine.



Christian Blinkenberg: M.Sc. in Economics. NED board member. More than 25 years of experience in global offshore sales, related to underwater instruments.

What We Need

	Now 2022	2023-2024
Investment	€ 3 M	€ 1 M grt. Match*
<i>Grant option*</i>		€ M1,5 EU grant*
Main products	300W Buoy	3kW Buoy new product
	Build up organization with sales, assembly, engineering and QA/QC	Design, test and build new 3kW buoy to extend existing market for top range AUVs.



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