

Twin Ocean Power - Investment Brief

The Power of the Ocean. The Future of Energy.

Executive Summary

Twin Ocean Power is a next-generation wave energy conversion technology designed to unlock the vast, untapped potential of ocean energy.

Building on the lessons from the Pelamis wave converter, Twin Ocean Power resolves previous limitations through a breakthrough three-body design that enhances stability, survivability, and efficiency in harsh marine environments.

We are seeking \$3 million in funding to complete final prototype development, open-sea testing, and prepare for commercialization.

The Innovation

Traditional wave energy devices have struggled with:

- Structural failure under ocean forces
- Low energy conversion efficiency
- High maintenance costs
- Scaling difficulty

Twin Ocean Power overcomes these with:

- A balanced central-body and twin-side-body design
- Adaptive motion systems to maximize energy extraction
- Modular build for ease of scaling
- Durable materials engineered for ocean survivability

Technology Development Stages

We have completed:

- Laboratory-scale proof-of-concept testing

Now moving to:

- Open-water prototype testing at PacWave, the U.S. national wave energy test site in Oregon.

Funding Request

Phase	Duration	Goal
Final Design & Simulation Testing	6 months	Refine design, validate through modeling
Construction & Dry Testing	10 months	Build full prototype, complete mechanical tests
Deployment & Initial Ocean Testing	6 months	Deploy at PacWave, begin performance validation
Operations & Monitoring	8 months	Long-duration testing and durability monitoring
Final Report & Commercial Strategy	6 months	Deliver results, attract commercial partners

Why Invest?

- First-mover advantage in scalable ocean wave power
- Aligns with global net-zero and green energy goals
- Access to early licensing, power purchase, or equity stake
- Opportunity to shape the future of renewable infrastructure

Use of Funds

- Engineering, materials, and fabrication
- Ocean deployment and safety operations
- Testing, monitoring, and performance reporting
- Business development and commercialization

Contact

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