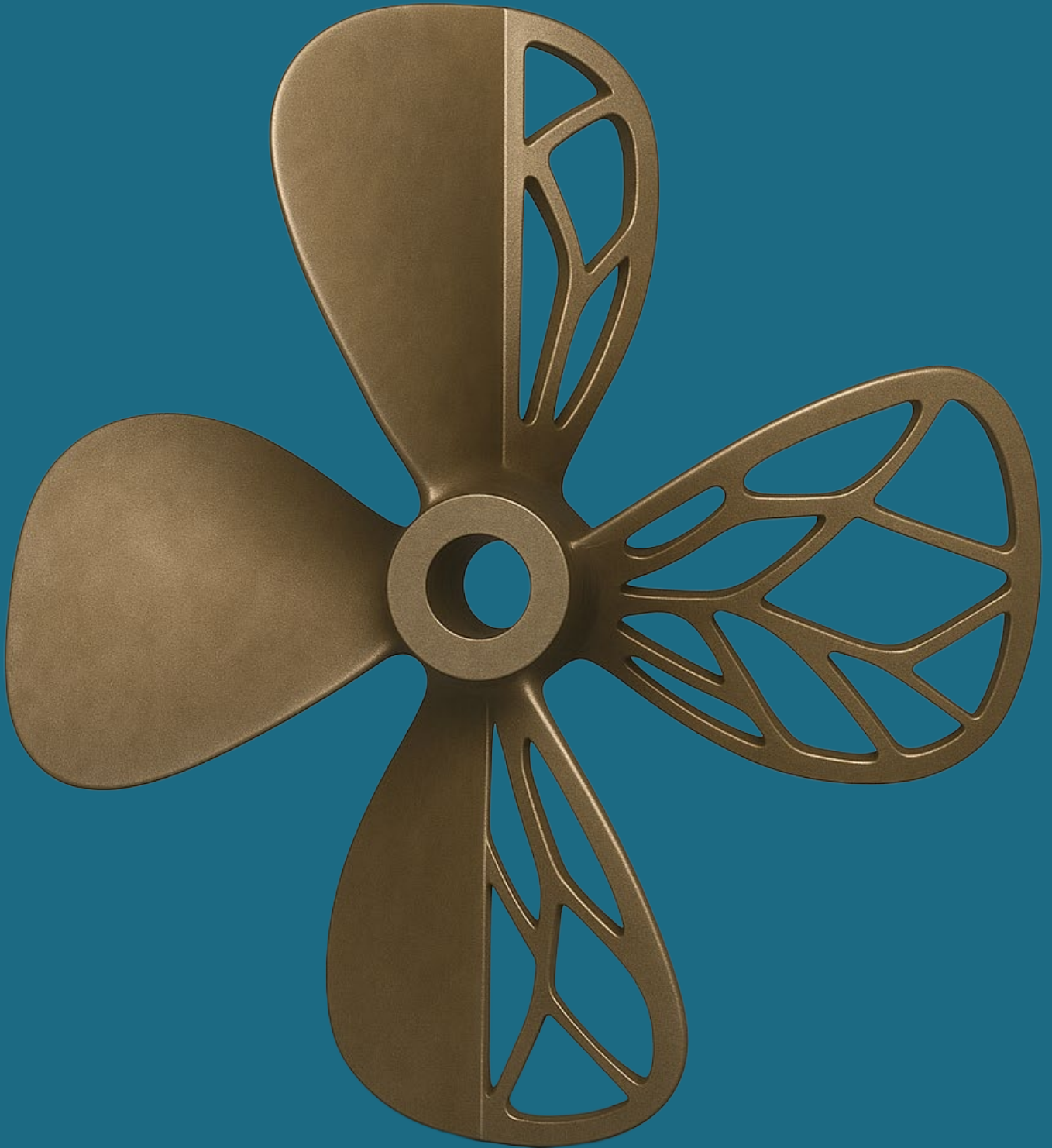




DEEP





Digitally Enabled Efficient Propeller (DEEP)










Product Overview

DEEP is redefining marine propulsion through a new generation of **smart, high-efficiency marine propellers** that combine structural optimisation and additive manufacturing (3D Printing) and embedded with real-time monitoring capabilities.

Customer Benefits

- **10% reduction in fuel consumption** through thinner hollow blades and optimised operation.
- **Up to 25% less raw material** through hollow design, near-net-shape manufacturing and digital QA slash manufacturing time to a fraction and certification bottlenecks, getting vessels in the water sooner.
- **Digitally enabled** means it provides real-time visibility into performance, maintenance and compliance, putting data-driven control in your hands.
- **Traceable digital record** from design to installation, class-ready, audit-proof, and built for total quality assurance.
- **Digital twins to autonomous control**, DEEP is engineered for the next era of connected, low-carbon shipping, ready to meet tomorrow's autonomy demands.

DEEP in a Glance

 Real-Time Performance Insights	 Hollow, Lightweight Propeller Design	 Autonomy-Ready Propulsion Platform
 Reduced Carbon, Verified Efficiency	 Structurally Optimised Blade Geometry	 Predictive Maintenance Intelligence
 Digitally Enabled Smart Propulsion	 AM Near-Net-Shape Manufacturing	 Full Manufacturing Process Digital Twin

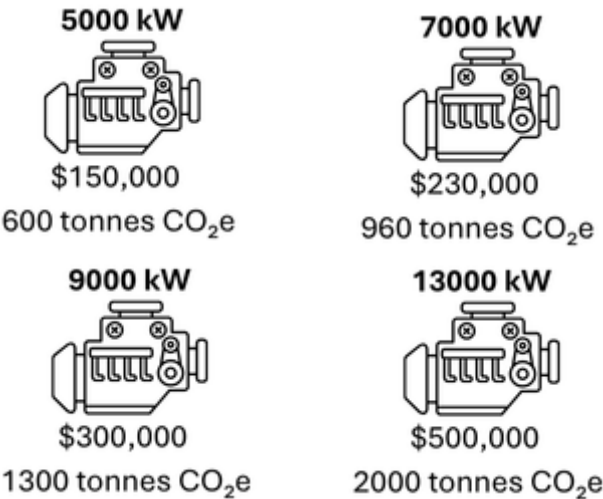
Target Market

New build or retrofit (<5 years ROI)

Vessel Class	LOA (m)	Engine Power (kW)
Compact Explorer Yacht	25-35	1,000
Mid-Range Explorer Yach	35-50	2,000
Fast Displacement Superyacht	50-60	3,500
Large Superyacht	60-80	5,000
Very Large Superyacht	80-100	7,000
Mega-Yacht	100-125	9,000
Giga-Yacht	125-150	13,000

DEEP Impact

Savings for over 2000 hours of yearly operation:



Dr Milad Armin

Naval architect, 10+ years of experience

Executive Director, Founder
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Matthew Treadwell

20+ years experience, driving innovation in shipping

Non-executive Chairman
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