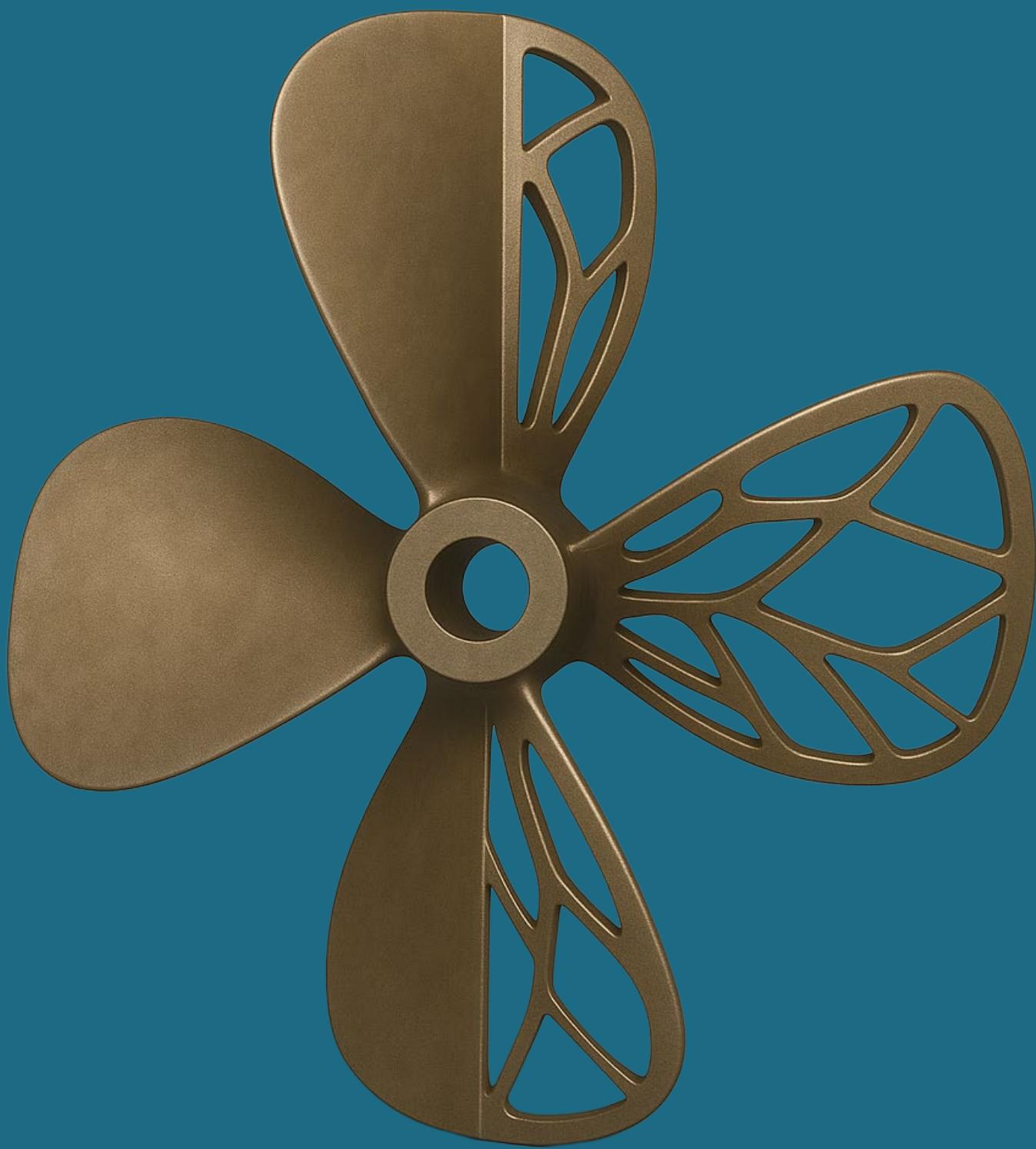




# DEEP





# 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.

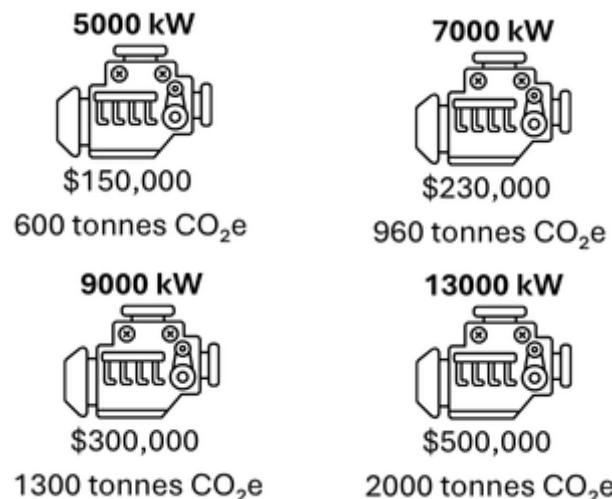
## Target Market

New build or retrofit (<5 years ROI)

Vessel Class	LOA (m)	Engine Power (kW)
Compact Explorer Yacht	25-35	1,000
Mid-Range Explorer Yacht	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:



## 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

Dr Milad Armin

Naval architect, 10+ years of experience

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Matthew Treadwell

20+ years experience, driving innovation in shipping

Non-executive Chairman  
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Structural Engineer, +16 years of experience

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