



MAVERICK

Do you **challenge** conventional norms, embrace innovative and unconventional approaches?

Are you **bold** enough, pioneering, and willing to take the steps to forge your own path?



Why not be the **Maverick** in a new tomorrow?



PURE ADVENTURE

SOLAR

Expansive cabin top utilising Solar PV to gather electricity whilst at anchor or underway.

DYNARIG

As one of the easiest rigs to handle, the DynaRig can be deployed or furled within a few minutes, enabling an effective means to harness wind power on a superyacht.

Maverick's creative all-electric energy architecture, combined with the simplicity of the DynaRig, provides an elegant way for any ambitious traveller seeking to explore the world independently.

The energy architecture that enhances the on-board experience is built on three pillars: **Solar**, to harvest the energy from the sun in the daylight. **Regeneration**, to harvest kinetic energy under sail. **Energy Storage System**, to manage load on-board and enable low emission operation.

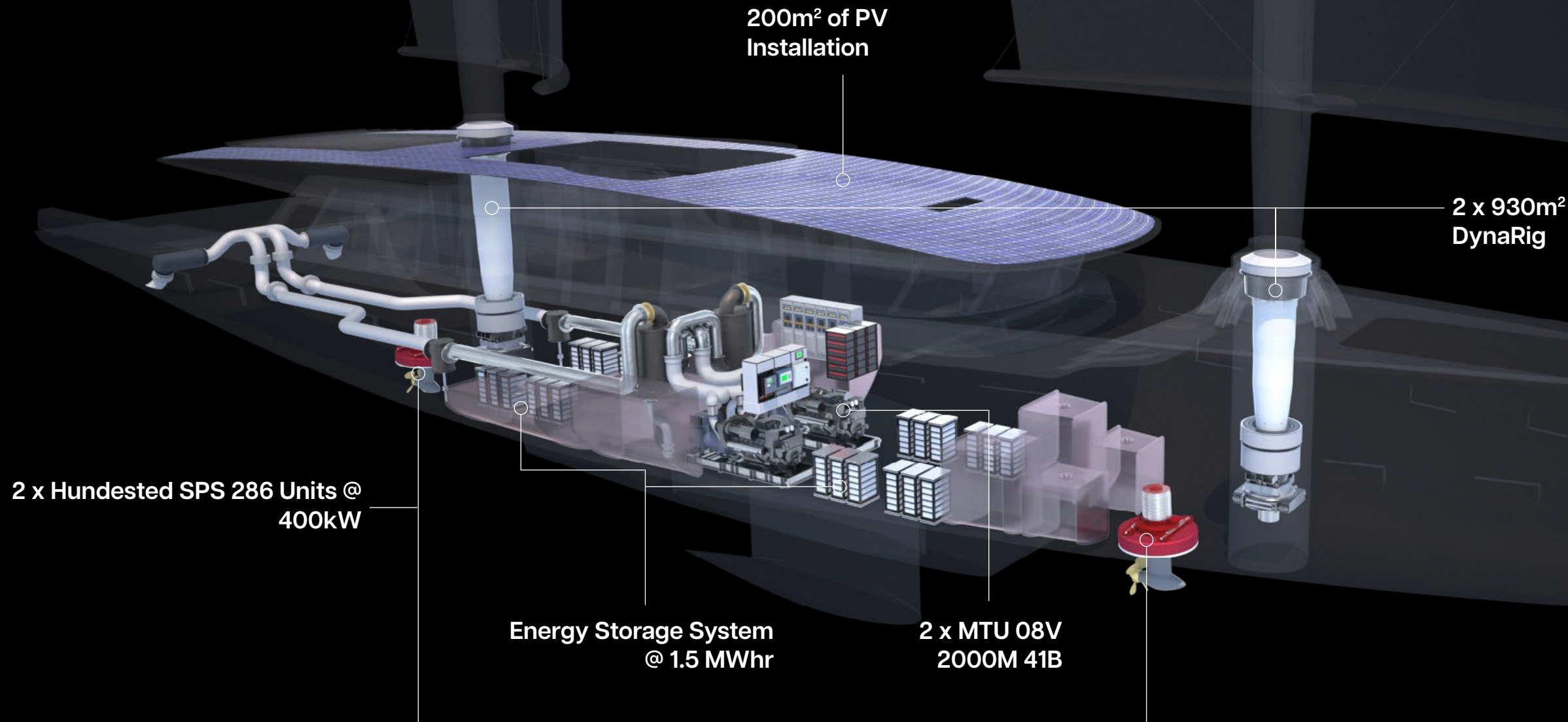
REGENERATION

Propulsors capable of harvesting kinetic energy through regeneration whilst sailing at optimal speeds.



ELECTRIC HYBRID

Silent ⚡ Locally Emission Free ⚡ Compact ⚡ Future-Proof



The creative layout of Maverick is enabled via an innovative all-electric propulsion and energy system architecture.

The Lateral Electric Hybrid system incorporates batteries as the primary means of energy delivery, permitting the varying power demands of hotel, propulsion and manoeuvring loads to be seamlessly met. Diesel generators are provided for battery charging and high speed cruising, selected free from the constraints of a conventional diesel electric and purely on the basis of efficiency and energy density.

The result is a an elegant solution with flexibility in space distribution and a compact arrangement that allows the primary machinery space to be accommodated within a single tier compartment.

The Electric Hybrid architecture permits extensive operation with no noise, lower vibrations and zero local emissions. Married with the creative design solutions enabled by the system, Maverick delivers a next generation of on-board experience.



MODES OF OPERATION

Lateral's Electric Hybrid system has two principle modes of energy management;

- Battery Discharge
- Battery Charge

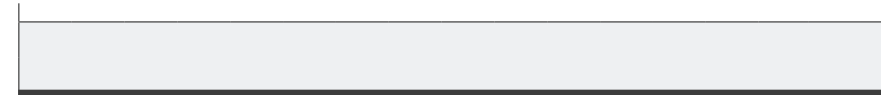
This system uses these two modes of energy management to support four typical operating scenarios;

- At Anchor, Silent, Zero Emission
- Motoring, Silent, Zero Emission
- Sailing, Silent, Regenerative, Zero Emission
- Sailing, Regenerative, Charging

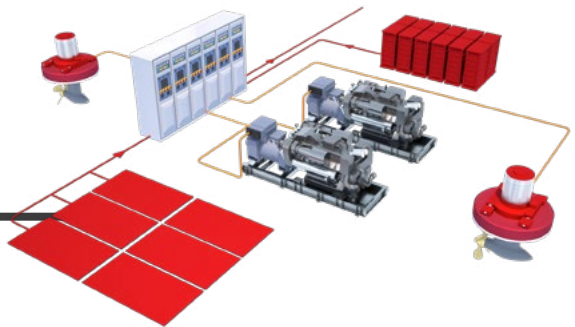
At Anchor, Silent, Zero Emission



0 kts 14 kts



All power is supplied via the battery pack for up to 21 hours with zero emissions. The battery is charged over a 2 hour period with generators operating at maximum efficiency. The generators are selected not to match variable power requirements (as is current practice) but to provide optimum fuel efficiency and energy density for the extended operation of the yacht.



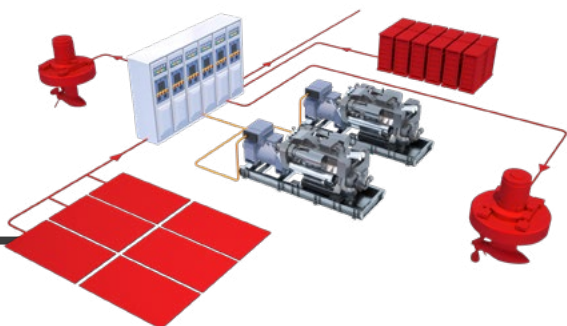
Motoring, Silent, Zero Emission



0 kts 8 kts 14 kts



Power is provided via the battery pack only to assure silent cruising and zero emissions. The battery offers 7 hours of operation at 8 knots



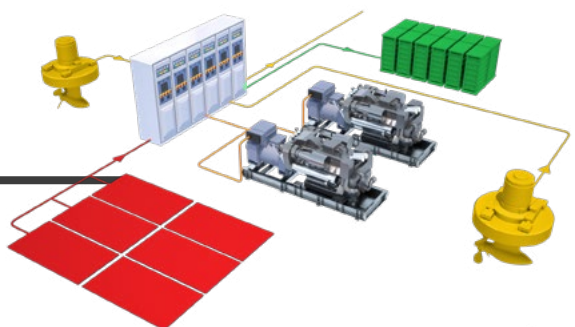
Sailing, Silent, Regenerative, Zero Emission



0 kts 12 kts 14 kts



Maverick is capable of zero emission sailing for extended periods of time. Above 12 knots of vessel speed, the regeneration covers the hotel load requirements. Excess power generated can be fed back into the batteries. Above 12 knots, transpacific/transatlantic crossing is achievable emission free.



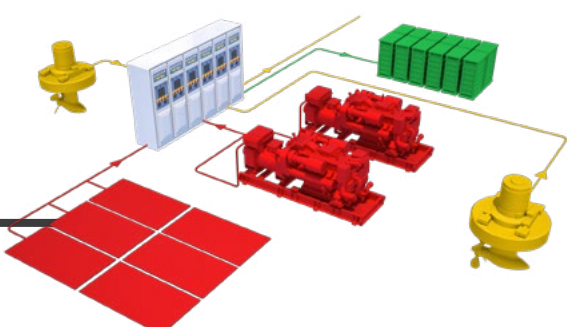
Sailing, Regenerative, Charging



0 kts 12 kts 14 kts

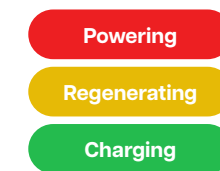


With regeneration covering the hotel load requirements above a vessel speed of 12 knots, the generators will solely charge the batteries in preparation for an extended period of silent cruising or silent anchoring.



Why Electric Hybrid?

- Allows periods of zero emissions to suit sensitive environments and enhance the experience of those on-board with silent mode enabled.
- Offers complete flexibility of power management to suit any yacht operation without compromise, enabling the Captain and Crew to operate at higher operational efficiencies.
- This system is designed with the future in mind. The Owner will benefit from an adaptable system, allowing more freedom when it comes to upgrading to the latest technology.
- Fits in a single deck height engine room. This in turn results in more guest space available at the lower deck, next to the water.
- Lower machinery running hours resulting in reduced maintenance costs.



KEY



LOW IMPACT HIGH INDEPENDENCE

The three pillars of Electric Hybrid architecture are designed to suit a wide range of potential operating scenarios.

This illustration presents one possible example of how 24 hours might look on-board MAVERICK.

KEY



At Anchor, Silent, Zero Emission



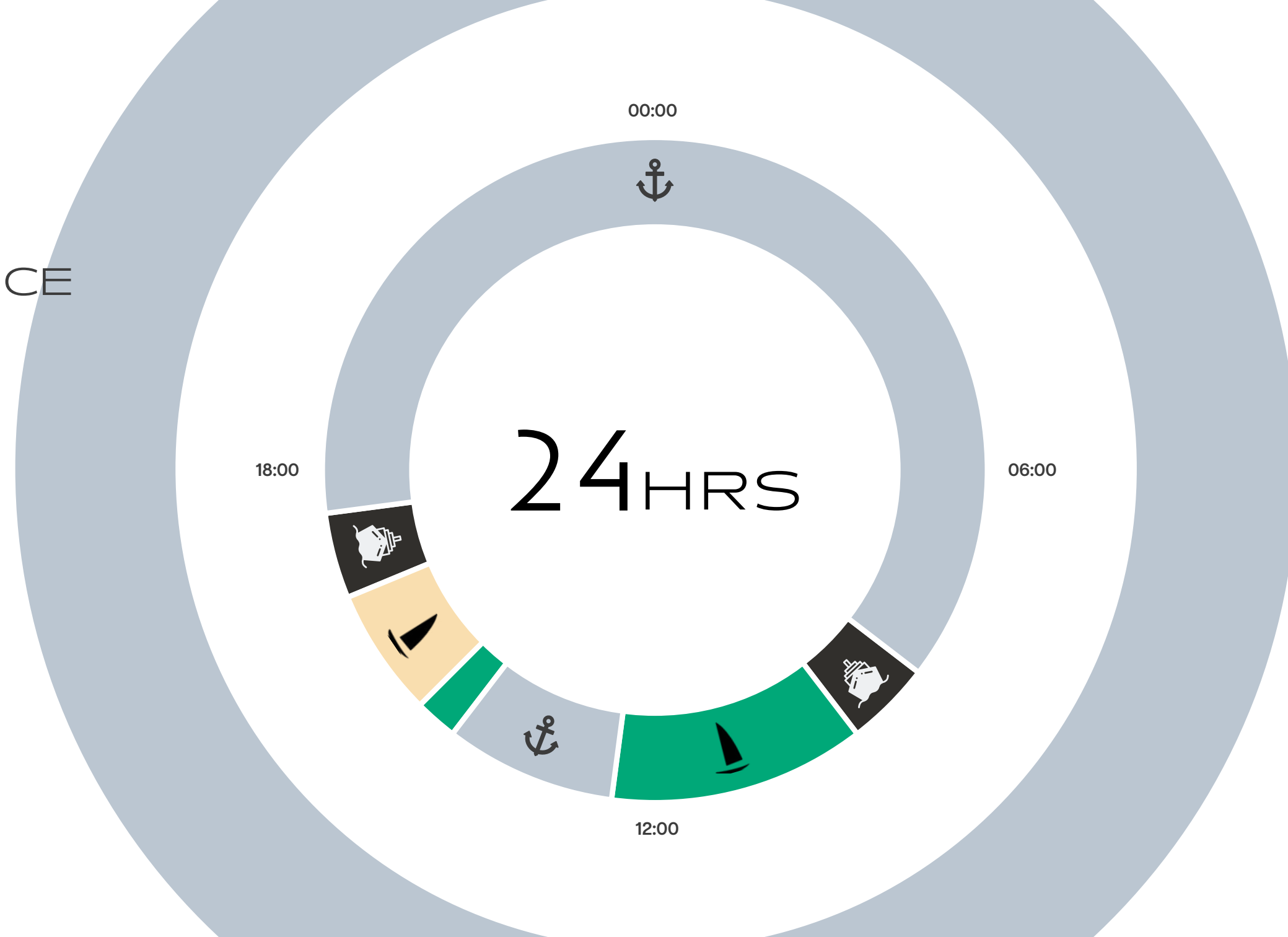
Motoring, Silent, Zero Emission



Sailing, Silent Regenerative, Zero Emission



Sailing, Regenerative, Charging



94%
OF A DAY ON-BOARD
MAVERICK
IS SPENT IN
**ZERO EMISSION
& SILENT MODE**
INCLUDING
5 HOURS
OF REGEN SAILING





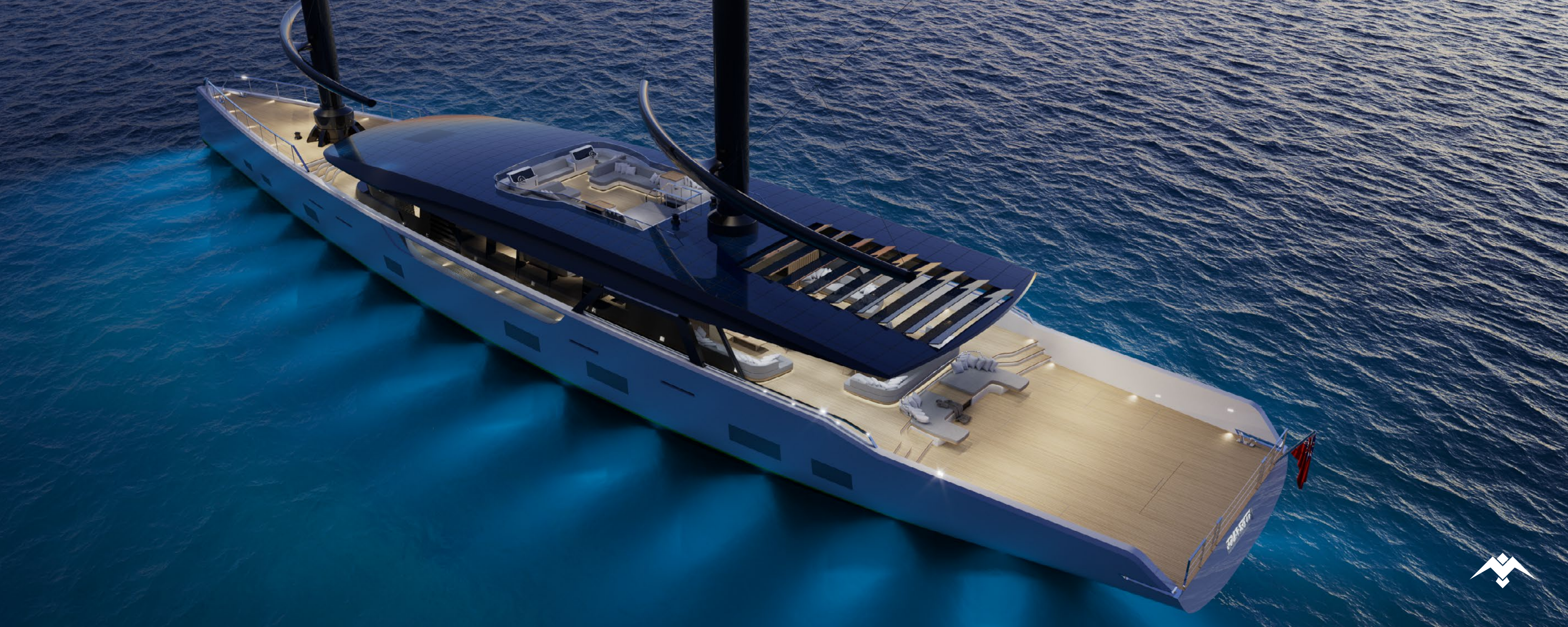
Maverick is more than just a yacht; it's a testament to innovation, elegance, and environmental consciousness.



The real magic happens when the sails are full with wind, propelling Maverick across the ocean.

No emissions, low impact, just pure adventure.







TECHNICAL CHARACTERISTICS

Length Overall	59.50 m	Gross Tonnage	600	Silent Guest Anchor Mode	Up to 21 Hours
Length Waterline	55.00 m	Guests	12	Silent Motoring Mode	7 Hours
Beam (Max)	11.00 m	Motor Cruising	14.0 knots	Battery Bank Charge Time	1.5 Hours
Draught (Keel Down)	6.25 m	Regeneration Sailing Mode	12.0 knots		
Draught (Keel Up)	4.00 m	Silent Motoring Mode	8.0 knots		

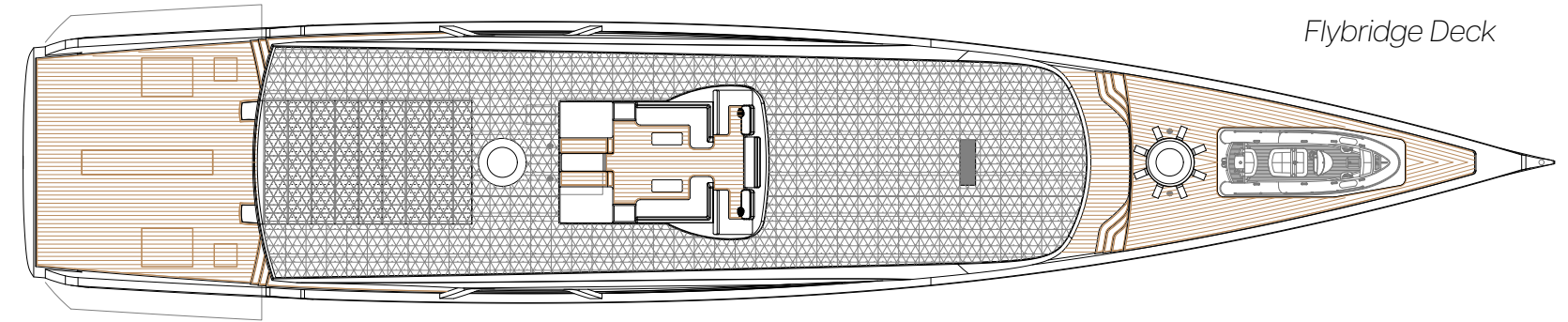




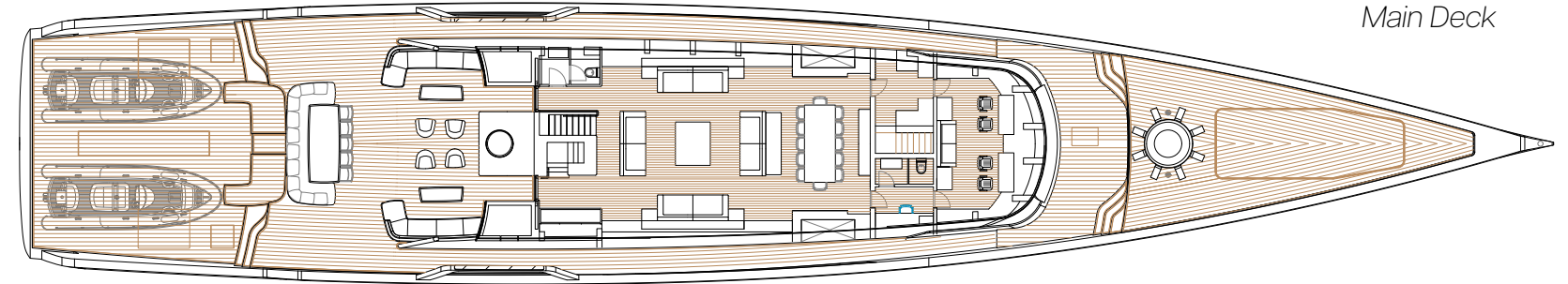
MAVERICK

DIXON
YACHT DESIGN

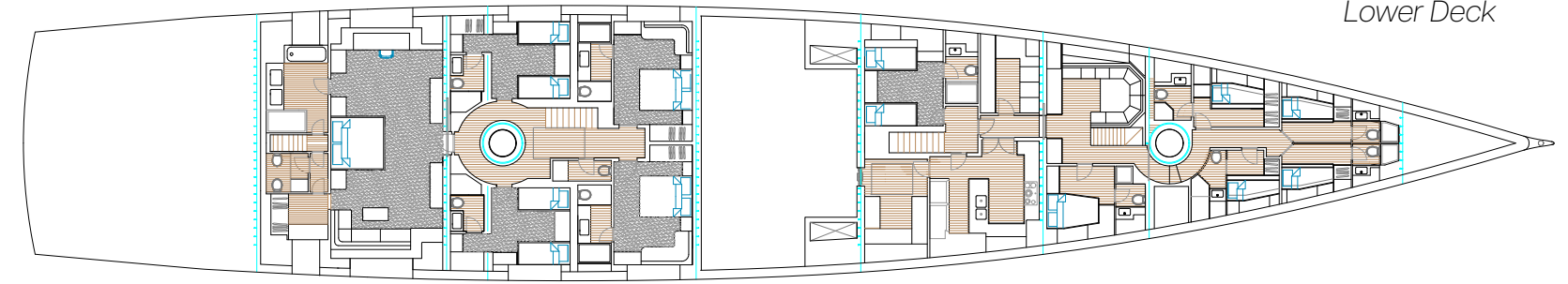

L A T E R A L
NAVAL ARCHITECTS



Flybridge Deck



Main Deck



Lower Deck



MAVERICK
PARTNERS

DIXON
YACHT DESIGN

Dixon Yacht Design is a contemporary Yacht design practice based near Southampton UK. With yachts and designs spanning the globe Dixon Yacht Design is firmly established as one of the world's premier yacht design offices having been established in 1981.

Today, this award-winning company not only works for some of the world's leading production boat manufacturers but has, over the years, designed many spectacular custom superyachts working with many of the world's leading custom shipyards. We have won numerous national and international awards.

We are a small office, but with a lot of passion for what we do. We offer a personal service to our clients and we take pride in the positive lasting relationships that we create.

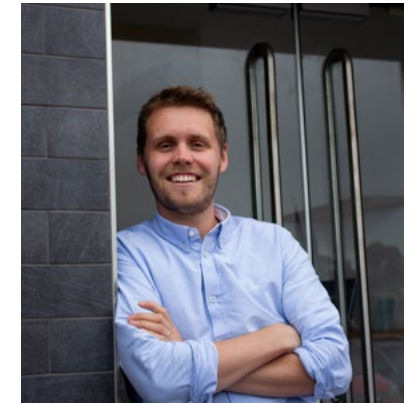


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L A T E R A L
NAVAL ARCHITECTS

Lateral Naval Architects provides complete engineering expertise to the superyacht industry, from project conception to delivery, operation and refit. Our core competency is engineering, but our unique focus is on meaningful innovation to enable superyachts that meet the demands of today's owners and those of the future.

We believe that meaningful innovation starts with asking **new questions**.



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MAVERICK

Defying sailing convention, but not sailing experience.