

# SW100X

PROJECT PRESENTATION



# THE HERITAGE

Fifteen years ago, Farewell, the first Southern Wind 100, was launched in Cape Town, starting a chain of events that would redefine the 30m sector of the super sailing yacht world. The strengths of three industry leaders were merged to conceive the perfect 100-footer that could cross oceans in comfort and style while still maintaining a competitive edge to earn podium positions in the most prestigious superyacht regattas.

Farr Yacht Design was commissioned for the naval architecture and Nauta Yacht Design for the interior and exterior design while Southern Wind Shipyard was charged with turning the concept into a reality. The success of the Southern Wind 100 has been unparalleled with 13 units delivered between 2006 and 2011 and in both deck saloon (DS) and raised saloon (RS) exterior configurations. These yachts have become instantly recognizable and are just as desirable today on the brokerage market as they were when first introduced.

In 2011, a further evolution of the SW100 was created with the SW102, drawing on all the most appealing aspects of the SW100 but including new features such as a tender garage and third crew cabin. After the fifth SW102 was delivered in 2016, SW went back to their partners at Farr and Nauta to develop the next iteration in this size range and this led to the successful SW105 series, of which five yachts were delivered between 2018 and 2022.

From 2023, the new SW108 Smart Custom series will replace the SW105 and as these yachts have evolved to become larger and more sophisticated, they have moved into a new market sector that is distinctive from the original SW100 concept. This led the SW team to return to the root inspiration for all these yachts and to widen their offering with the brand new SW100X that comprises all the greatest attributes of Farewell and her twenty-two descendants with all the latest technical and design features available today.

The close relationship that Southern Wind maintains with the yacht owners, captains, crew and suppliers has granted a vast pool of information and experience for yachts in this size range. The intricate knowledge that is collected during the design and construction of the yacht is enhanced by the feedback that is received via the Customer Care team during the warranty period and later on during the lifetime of the yacht. This is all fed back to the design and project management teams to ensure a continuous evolution and improvement of the yachts we build.

The feedback and discussions with Owners and crew have become a key resource to understand how the yachts are operated and which systems are working best. Furthermore, the feedback from Owners has helped to determine the special features that are most desirable in a new SW100, allowing SW to incorporate them into this exciting new project.







**SW100X, AN ALLSEAS FAST CRUISER**  
REIMAGINED WITH EXPERIENCE







## EFFICIENCY

### THE BEAUTY OF FUNCTIONAL AND EFFICIENT DESIGN

#### A MERGER OF DESIGN AND ENGINEERING INTEGRITY

The SW100X project has been in the conceptual stage for several years. With the original SW100 setting the bar so high, there was no room for compromises and this new project, and the longer design spiral have allowed a deeper level of fine tuning and a higher level of efficiency.

#### **IN THE DESIGN PROCESS:**

- A timeless beauty that will be instantly recognizable
- A widely appealing yacht that meets the Southern Wind core values of dependability, comfort, safety and performance
- A yacht that can be easily managed by a reduced crew and with built in redundancies
- A versatile project that meets the Owner's priorities, whether they be for a go anywhere cruiser, regatta champion or successful charter yacht
- Powerful sail plan to allow the yacht to sail in a wide range of conditions
- Leaner decision process in project development
- Modern and efficient systems that are user friendly and can be serviced worldwide.

#### **IN THE BUILDING PROCESS:**

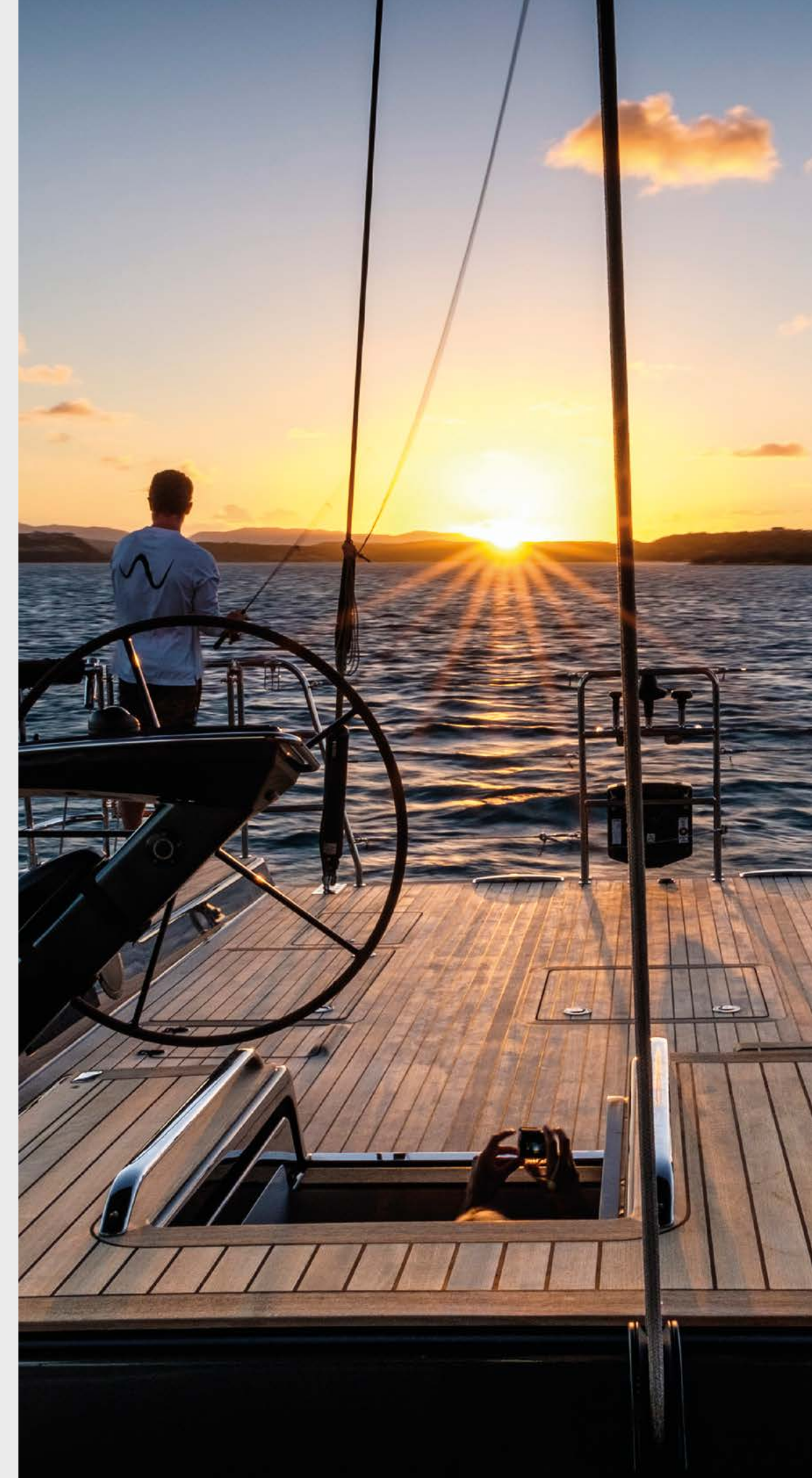
- The mandatory high standards of quality and reliability are achieved while remaining cost conscious
- Wide range of pre-determined options and solutions
- Optimized usage of sustainable materials in the construction of tooling and yacht.



## FRESH AND UP TO DATE DESIGN

#### TIMELESS ELEGANCE AND FUNCTIONAL DESIGN

- **Brand new design:** Incorporating the very latest technology in naval architecture, aerofoil and hydrodynamic design
- **New deck design:** Modern coachroof design creating 270° panoramic view from saloon
- **New deck arrangement:** Minimal steps, freedom of movement, clear visibility from helms
- **New crew area design:** Space, comfort and privacy for up to four crew
- **Transverse tender garage:** Storage space for a Williams 435 without comprising aft accommodation
- **Seaside Lounge:** Converts aft deck into a seaside lounge area with spacious swim platform.





## NEW DECK DESIGN

*"First seen on the SW105 Taniwha, then later on the recently launched SW96 Nyumba, the GT Style is the core of the deck design of the new SW100X. The reverse windshield enhances the distinctive sporty character of the roof design, while the new cockpit arrangement provides additional space for sunbathing and relaxing.*

*The maple wood covered and softly sloped coamings, that were inspired by the ground-breaking new SW108 Hybrid have also been applied on the 100X project but with reinterpretations that create a substantial innovation to the layout. The aft cockpit coamings, where steering stations and winches are placed, have*

*been moved maximum outboard to optimize the visibility and line of sight from the helm positions. The position of the winches further outboard also improves the angles of sheets and lines.*

*As a result of this innovation, the manoeuvring cockpit is dramatically wider, now comparable in size to a 40-meter sailing yacht.*

*Starting from this new "wing island" design and the consequent increase of the cockpit width came the idea to store the tender transversally. Southern Wind conceived a brilliant new aft platform solution that operates as the tender garage cover."*

Massimo Gino, Nauta Design



## THE COMFORT OF HOME ON A WORLDWIDE CRUISER

SPACIOUS AND UNCLUTTERED DECKS, GENEROUS AND HIGH-VOLUME INTERIOR

### A) EXTERIOR

- Groundbreaking new crossover coachroof design
- Increased volumes without impacting sleek and elegant lines
- Wide and protected center cockpit with possibility of two symmetrical dining tables
- Lounge beds adjacent to center cockpit for the sun worshippers
- Transverse jib tracks with up to four mast winches
- Optional recessed mainsheet traveller
- Steering pedestals pushed far outboard on "wing islands" for maximum visibility
- Transverse tender garage accommodating Williams SportJet 435
- New "Seaside Lounge" area

### B) INTERIOR

- Classic four cabin interior plus multi-purpose area for TV lounge, studio or bar
- Owner forward and aft VIP plus two additional guest cabins, versatile and adaptable interior
- Full beam saloon with 8-person dining table and adjacent L-shaped seating area
- Extra-large hull windows for panoramic views and natural light
- Pre-engine technical room located midship
- Large and comfortable crew area for up to four crew
- Crew area comprised of 2x ensuite cabins, galley, nav station and crew mess
- Optional sliding door to separate crew area from galley, allowing guests to access galley without disturbing the crew
- Charter friendly arrangement

### C) SYSTEMS

- Standard diesel or optional hybrid power and propulsion system
- Compatible with either fixed or optional telescopic keel
- Efficient electrical system for overnight silent running with air conditioning
- Latest generation monitoring and system controls
- Onboard purification and sterilization system for drinking water





## RELIABILITY | EXPERTISE

### A FAST AND VERSATILE CRUISER

- Southern Wind Owners are real sailors, and the sailing experience must be dynamic and satisfying
- The yacht must be safe and reliable from the day she sails from Cape Town and throughout her lifetime of worldwide cruising and racing
- A go-anywhere yacht that is equally at home in the North Atlantic, St. Helena, Sardinia, or Bora Bora.



## GREENER AND QUIETER

As a next-generation sailing superyacht, the SW100X is offered with both traditional and Hybrid Propulsion System. Sustainability is top-priority at Southern Wind. As a builder of yachts designed for long-range performance cruising with a high level of autonomy and comfort, it has been important for SW to develop a solution that is both environmentally friendly, dependable and enjoyable for the guests on board.

SW100X Diesel Electric Hybrid propulsion system is designed in collaboration with BAE Systems, a global company that designs and manufactures technology leading solutions. Their patented HybriGen® system is engineered to be compliant with the world most stringent environmental rules, with zero emissions capability and a hydro generation mode to recharge the lithium-ion energy storage when under sail. It is based on a combination of two highly efficient generators with a high-voltage lithium battery bank and electric propulsion motor.

The HybriGen® next-generation hardware, provides an efficient power management on board offering the Owners and their guests a completely silent cruising experience, no matter if they are weekend cruisers or round the world sailors. Thanks to the battery capacity and the high recharging speed offered by the generators, the Owners can spend most of their time on board without hearing the noise of any machinery. The benefits are even higher when the wind blows. HybriGen® technology, thanks to the ability of the system to regenerate power via the controllable pitch propeller, produces enough zero emission energy while sailing at 10kts to sustain the yacht electric balance. When sailing at higher speed the Hybrigen system generates power, recharging the batteries and allowing silent anchorages with no generators running.

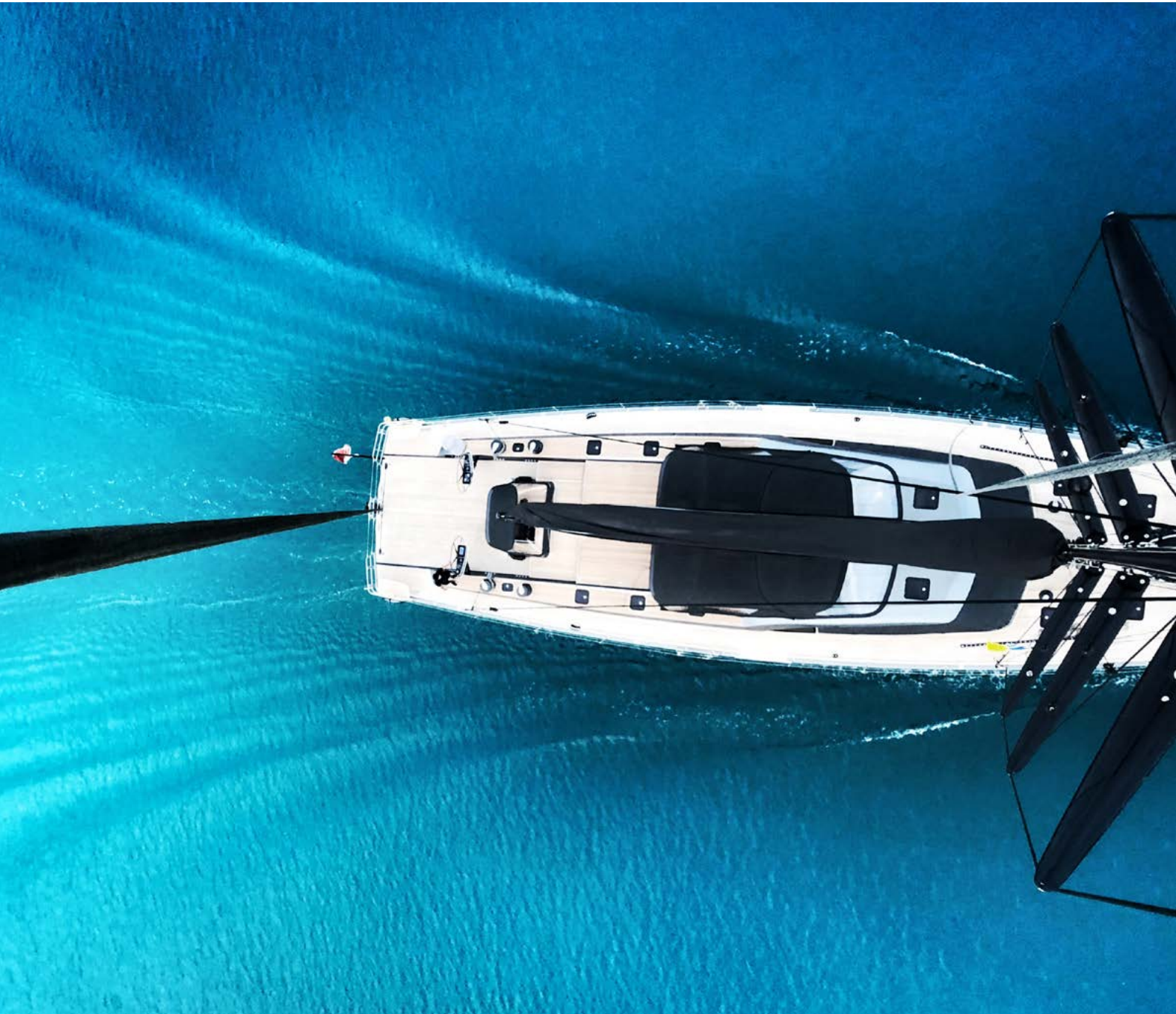
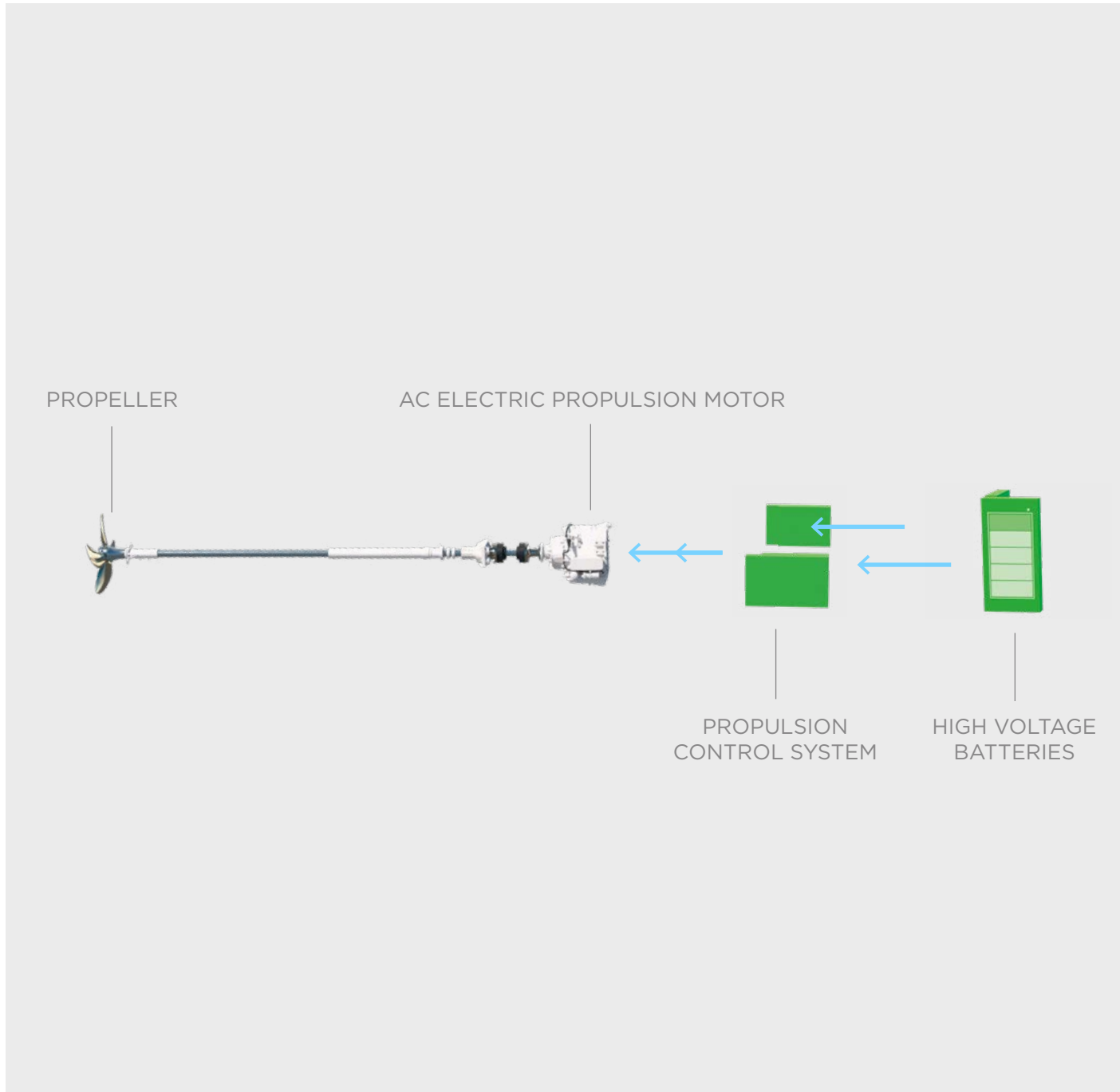
HybriGen® technology also offers the unique opportunity to extend the yacht range and autonomy, saving fuel otherwise burnt during offshore sailing passages. This would be a game changer for those Owners with ambitious exploration programs because they could reach remote destinations while sailing with zero emission and start their cruising with full fuel tanks.





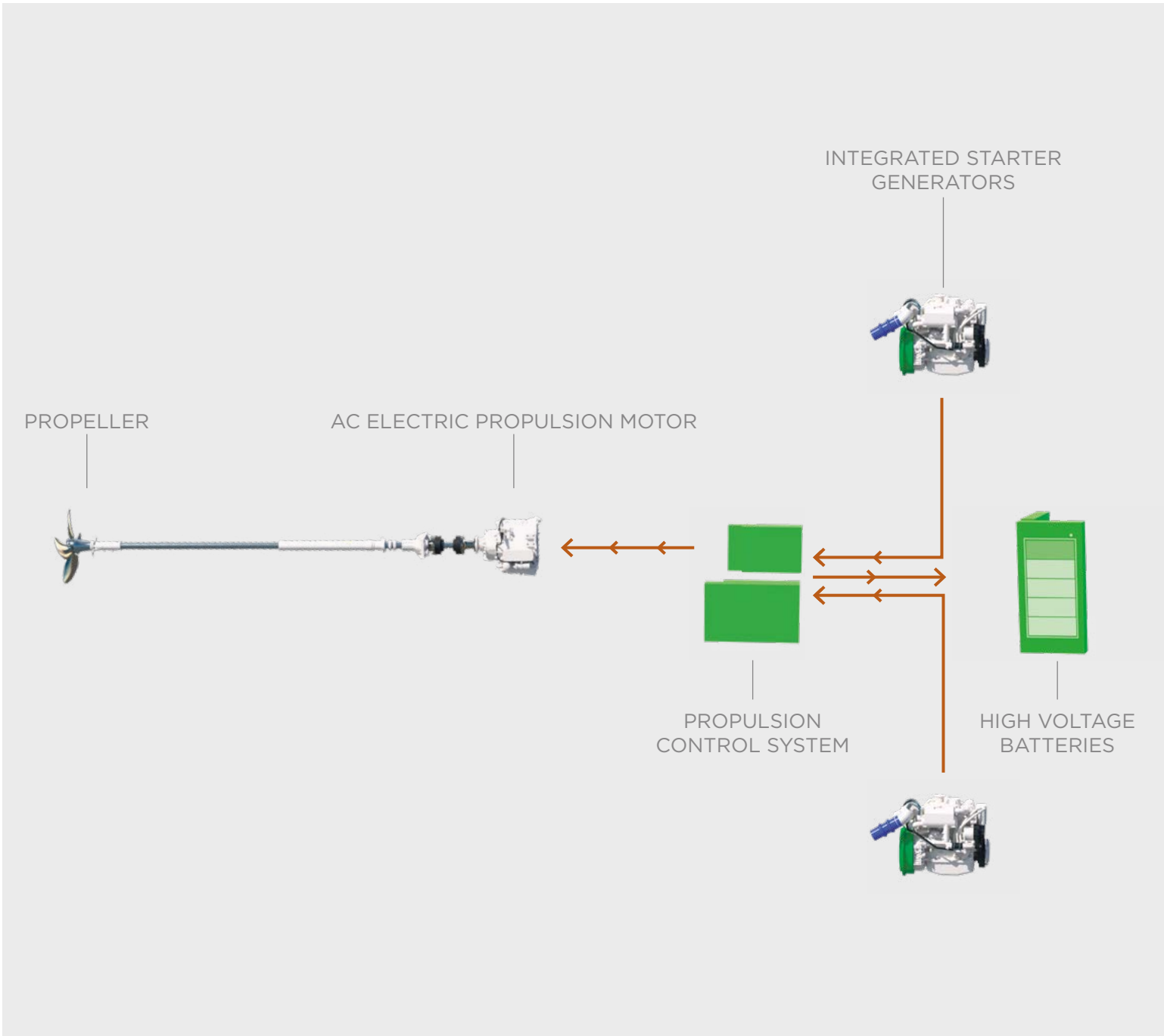
## SILENT MODE

**ZERO EMISSIONS | ZERO NOISE:** taking power from the battery bank for manoeuvring operations such as anchoring, movements in harbour and pilotage.



## HYBRID MODE

**DIESEL-ELECTRIC:** when motoring, allowing for a lower consumption of fuel and the ability to optimize the engine performance. This mode recharges the battery bank while under way. Among the benefits offered by the Diesel Electric System is the reduction of the engine emissions up to 40% thanks to its architecture that blends the electrical and mechanical power.



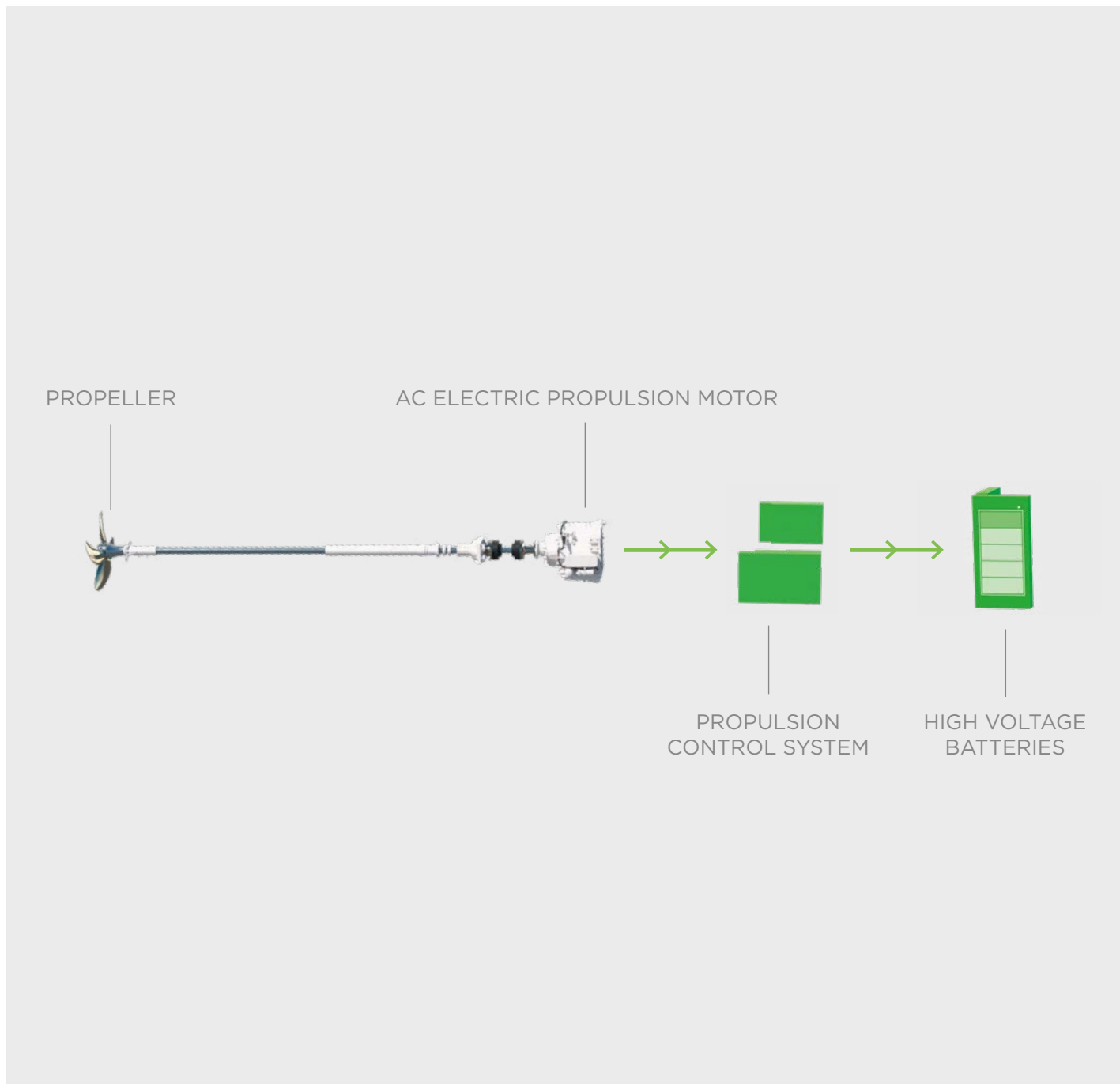




## SAILING MODE

**HYDROGENERATION:** power is generated by using the propeller as a hydro generator while sailing.

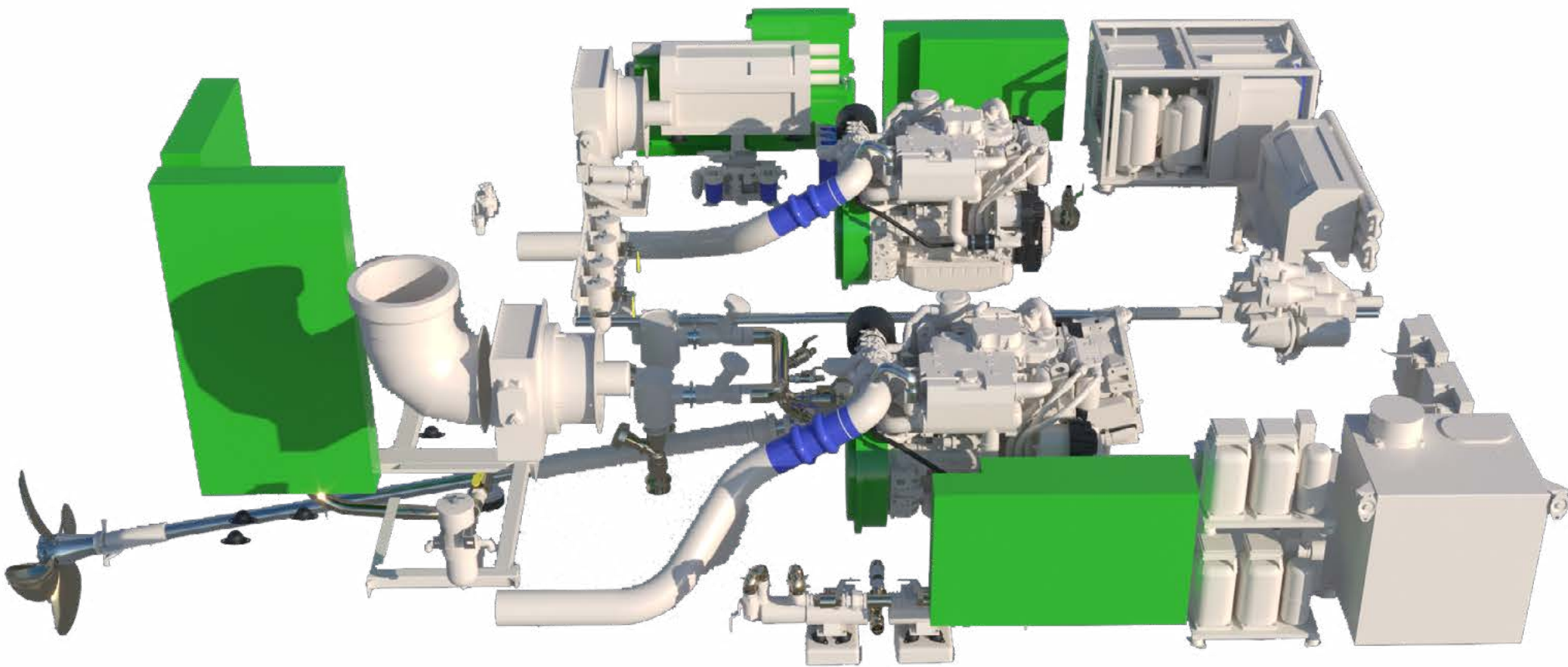
Optional adjustable pitch propeller balances the power generation with consideration to the drag coefficient to ensure optimal boat speed and exhilarating sailing.



*“We are supporting Southern Wind with electric-hybrid power and propulsion that delivers a clean and efficient operation. Our next-generation electric propulsion technology uses a modular design with advanced power electronics to optimize livable space and also extends zero emissions operation through improved electrical*

*efficiency and a HydroGeneration mode, which will recharge the energy storage when under sail.”*

Peter Brooks  
Account Manager, Marine and Port Solutions, at BAE Systems.





# SAILING EXHILARATION

The design brief for the SW100X stresses the importance of efficiency in all aspects of design and construction. In the naval architecture efficiency is achieved by minimizing wetted surface. The manifestations of this minimization are more circular cross sections, narrower waterline beam and relatively narrower aft sections.

A highly efficient, low wetted surface hull leads to a smaller sailplan lighter rig, less ballast required to power it all and ultimately less displacement.

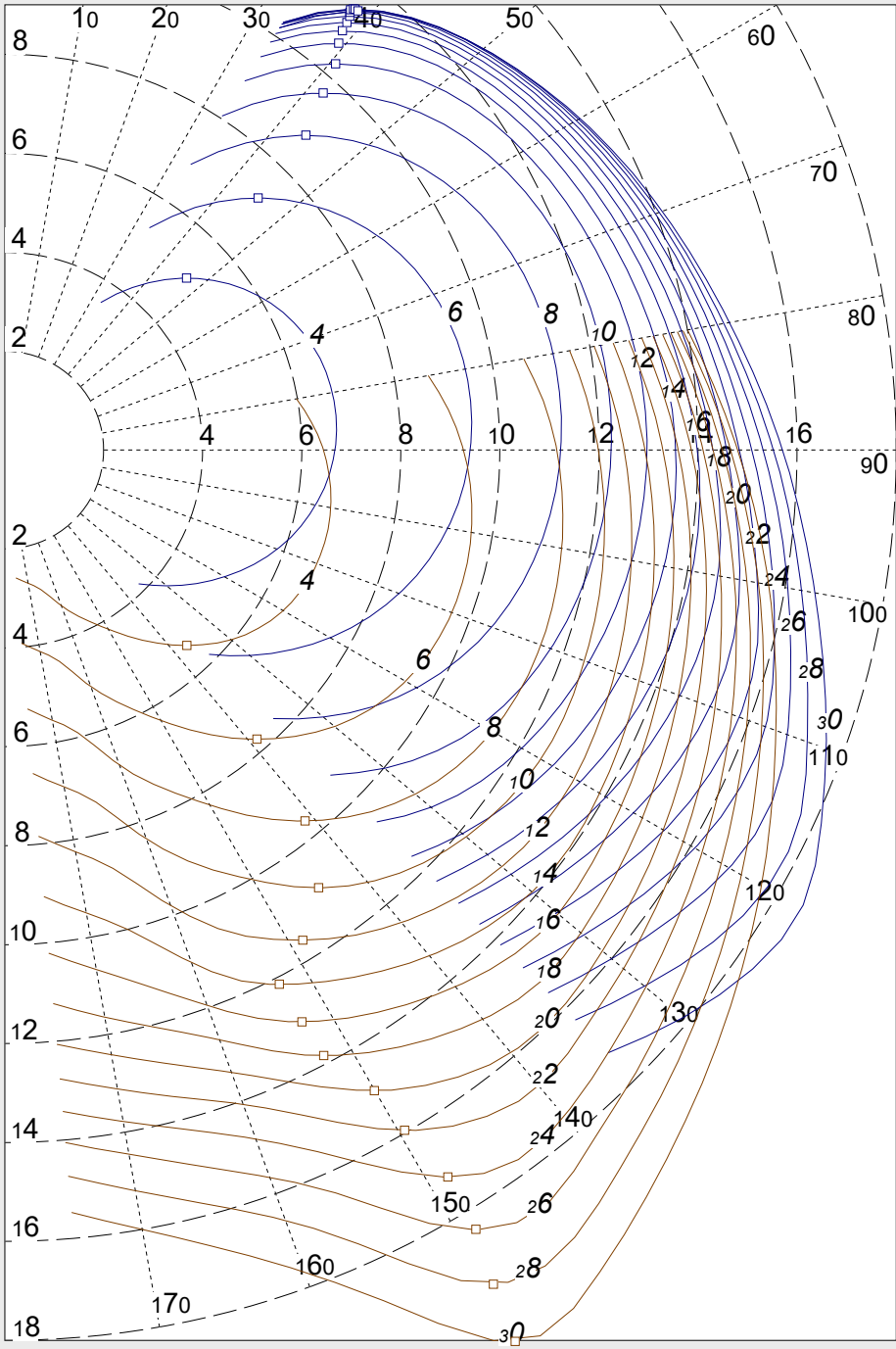
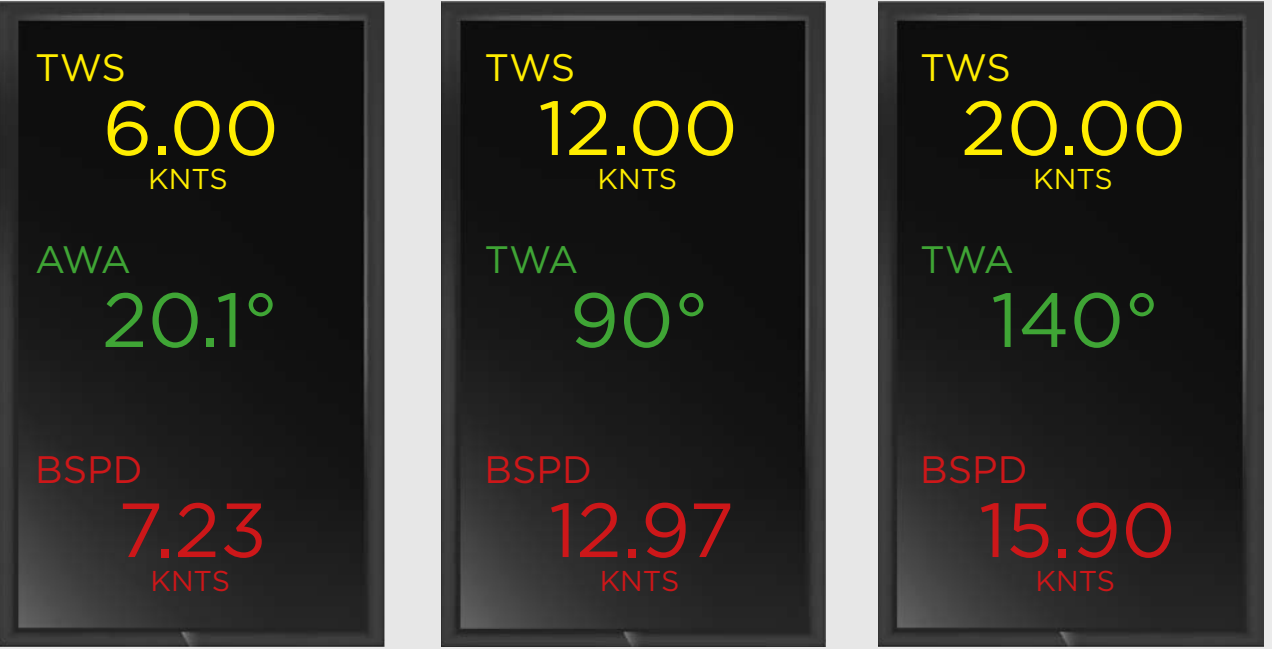
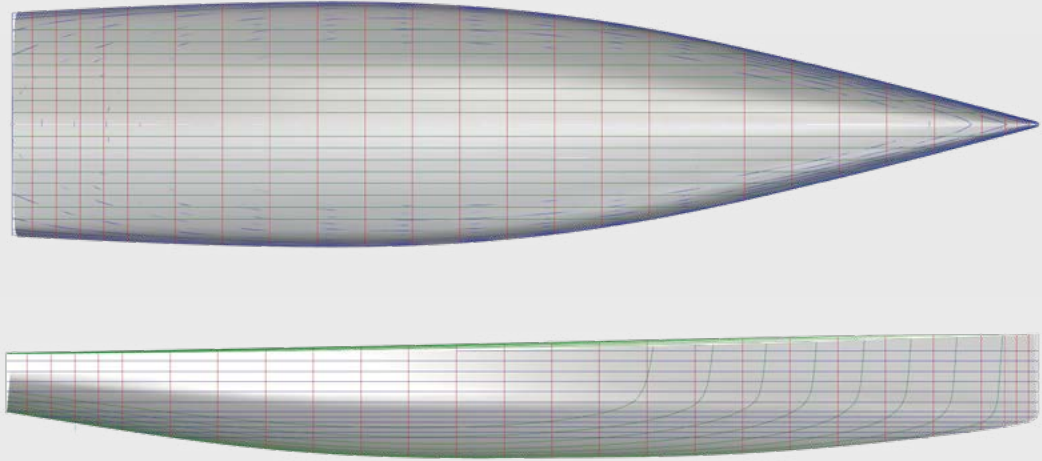
The SW100X design is versatile and various options for propulsion systems and keels have been envisioned and accommodated from the first stages of the design process.



“For all versions the performance targets include speed comfortably greater than the wind speed in light winds and enough stability to push the point of reefing/staysail usage above 17 knots. These performance and stability targets are achieved with an upwind sail area of 502 m<sup>2</sup> and a ballast weight (keel fin and bulb) of 21 tonnes (31%) in a 4m draft fixed keel. The SW100X includes many features that have come to be well known in all the successful Southern Wind/Farr Yacht Design/Nauta

Design collaborations. Exceptional handling, precise balance and easily achieved performance are all hallmarks of the SW96, SW105 and SW108. The SW100X continues the tradition and builds on it by including the same attributes in an exciting new way with exceptional efficiencies and economies.”

Jim Schmicker, Vice president and Senior Naval Architect at Farr Yacht Design



\*\*The values indicated are for the telescopic keel and standard propulsion.



# EXTERIOR GEOMETRIES DESIGN

The Deck layout is designed to allow for easy sailing in supreme comfort and security, both during navigation and leisure time thanks to a clean and flush deck. It also allows guests and crew to move easily from the helm position to the companionways in total safety. The ample and protected guest cockpit features C-shaped settees on either side for dining and relaxing under the shaded bimini and sprayhood.

The sail handling and manoeuvring functions are concentrated in the aft cockpit with direct access to the crew quarters, nav station and galley. Aft of the helming cockpit and the crew quarters entrance there is a new opening transom concept

that reveals a tender garage that accommodates a Williams SportJet 435. The optional 'Seaside Lounge' converts the aft sections of the yacht into a versatile seaside beach club.



# INNOVATIVE AFT COCKPIT

The groundbreaking aft cockpit design of the SW100X contains 'wing islands' that are stand alone areas containing the primary and secondary winches alongside the steering pedestals. By pushing the helm positions as far outboard as possible, the helmsperson will be granted greater visibility, and this also allows for a wider opening swim platform.

Transverse tender garage allows space for a large dinghy without compromising on interior volume.

Tender is launched and retrieved with a removable davit and lazarette spaces are accessible via a centreline hatch.

The low-profile aft companionway does not obstruct the sightlines and can be covered by a protective sprayhood for offshore sailing. Passageway between center cockpit coamings and wing islands allows easy movement and shallow step between side deck and cockpit.

Transom flap: **4.6 x 2.2m**  
Beach Club: **4.6 x 4.4m** (on 2 levels)

Total Area: **20,24 sq m**

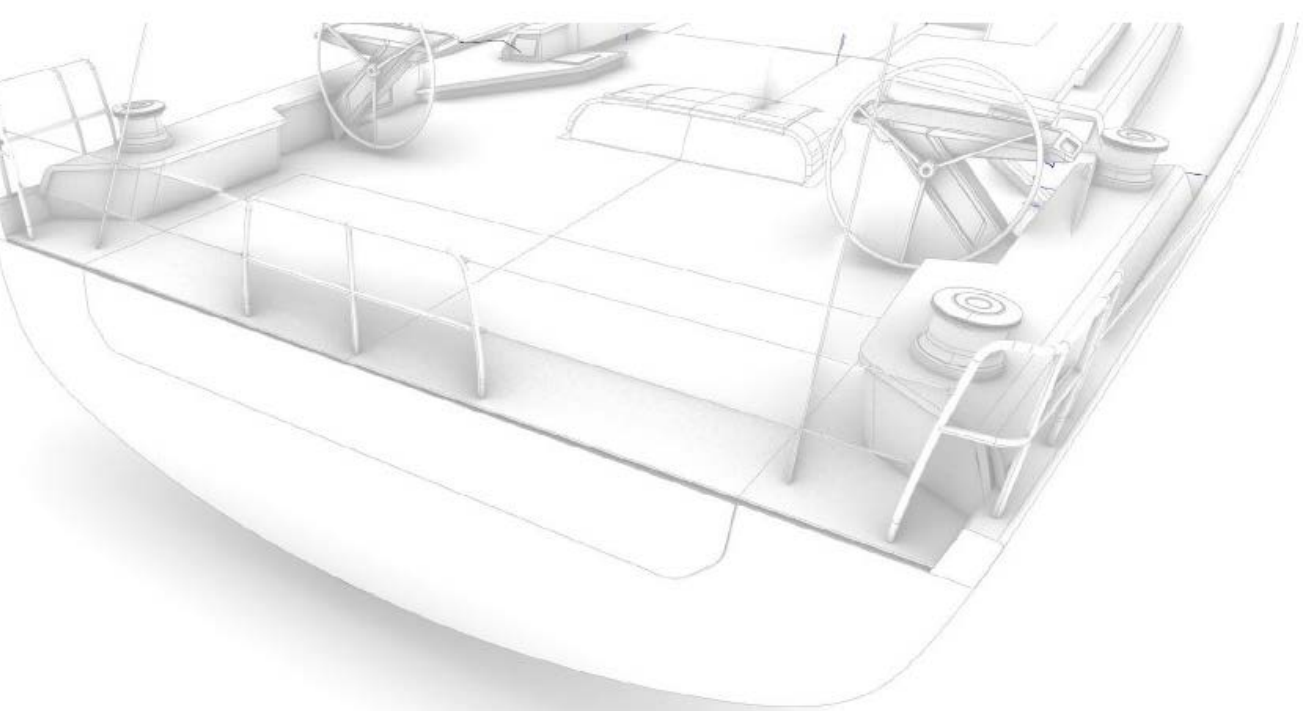




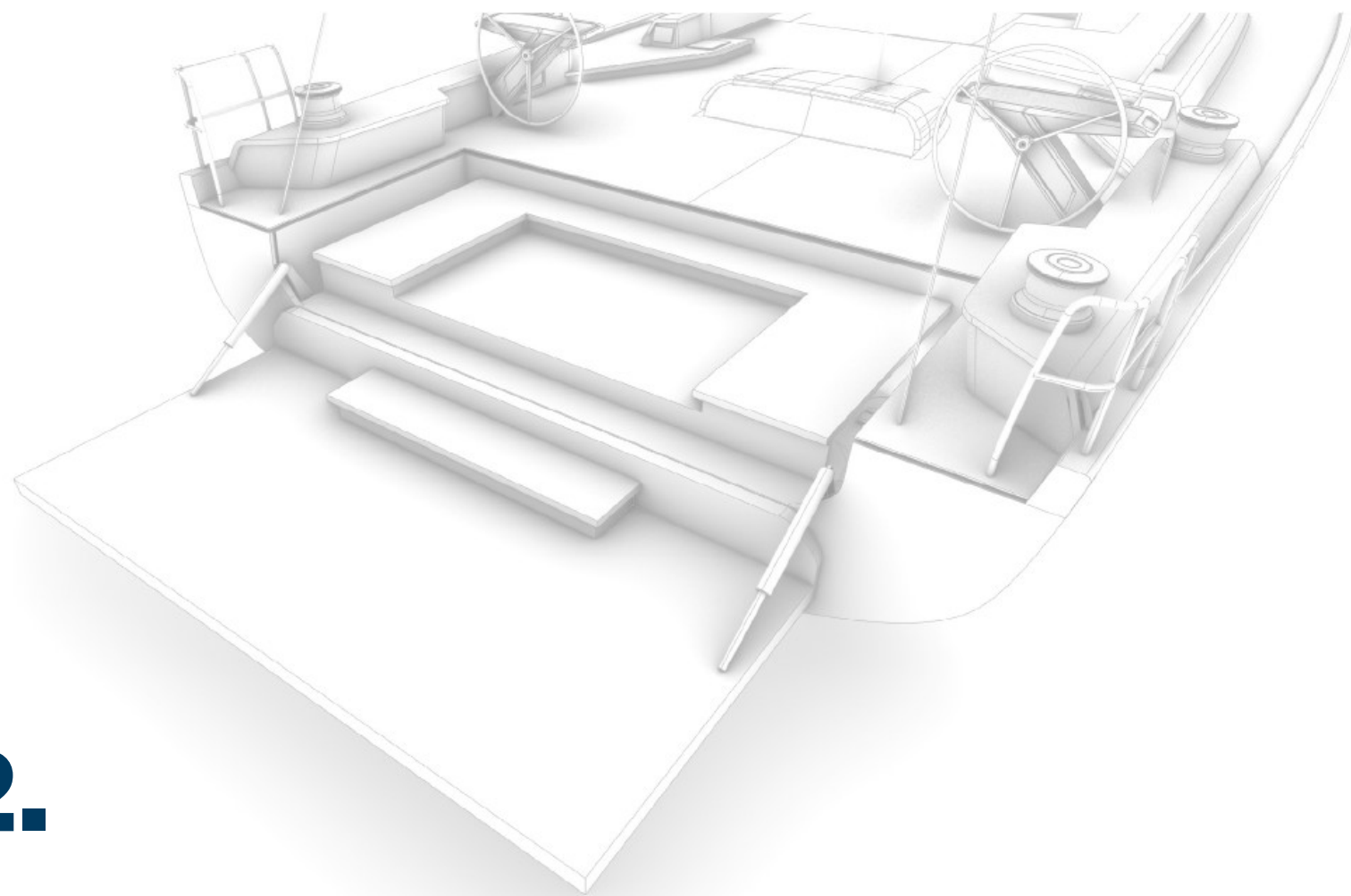


NAUTA DESIGN

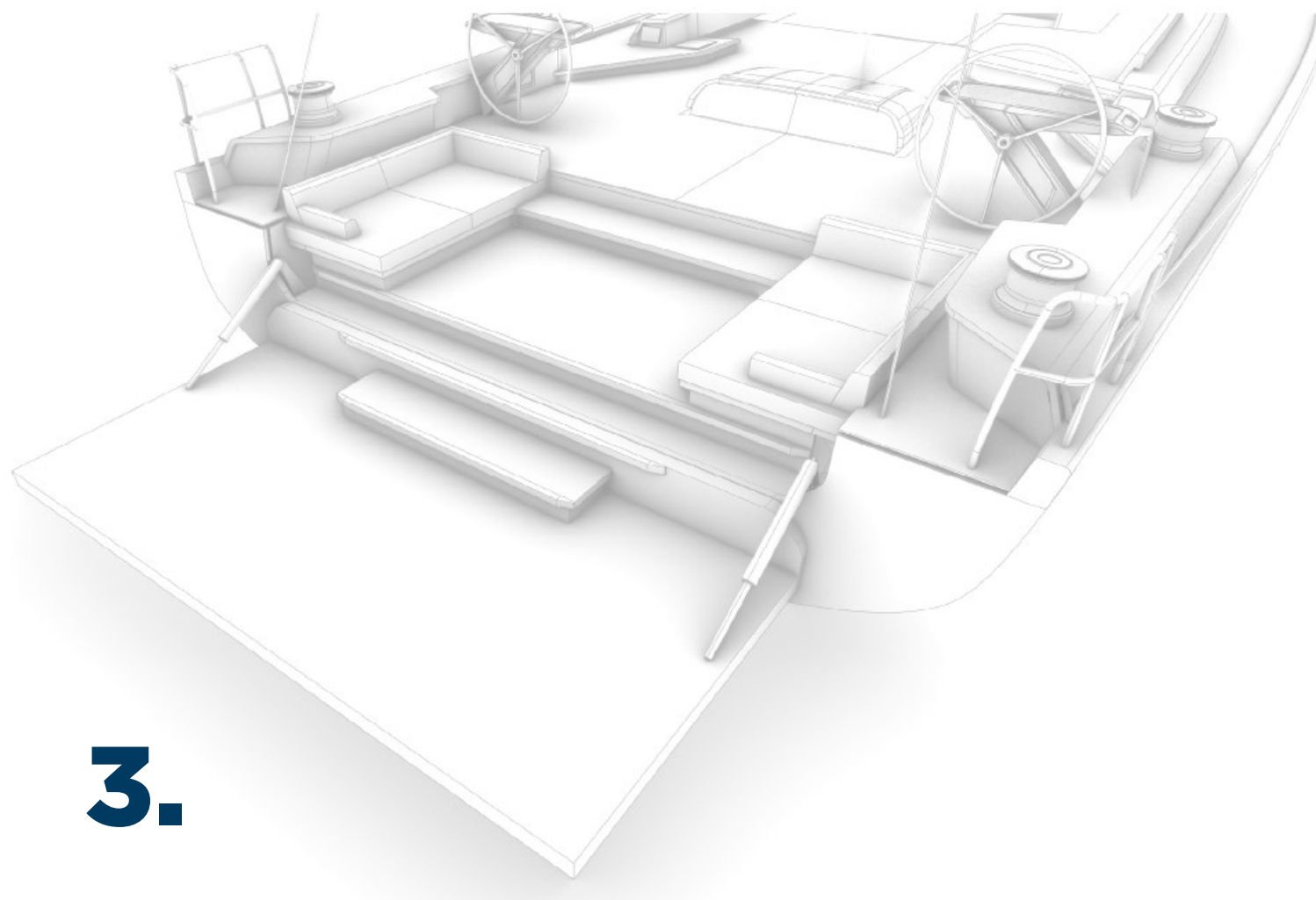
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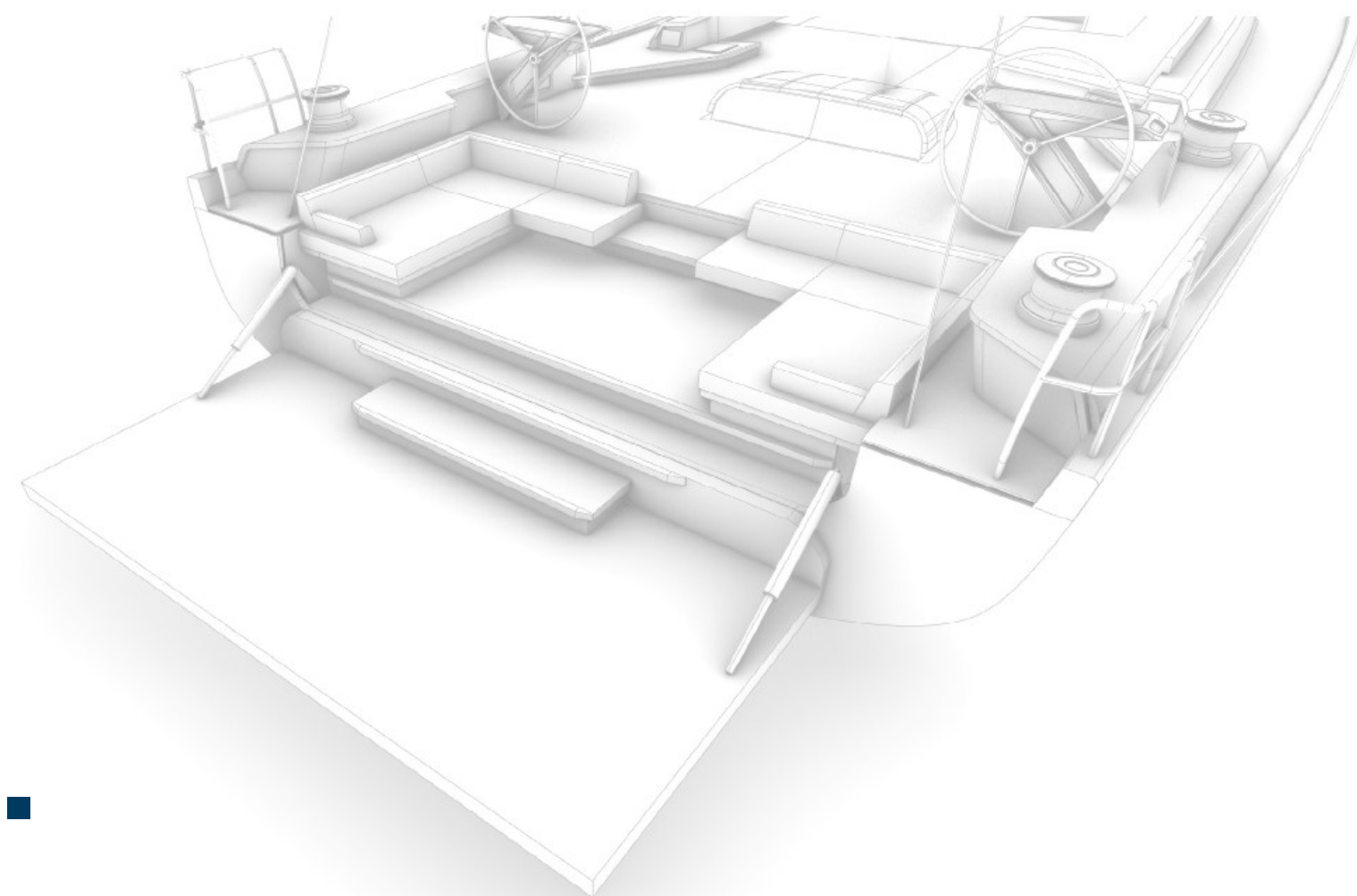
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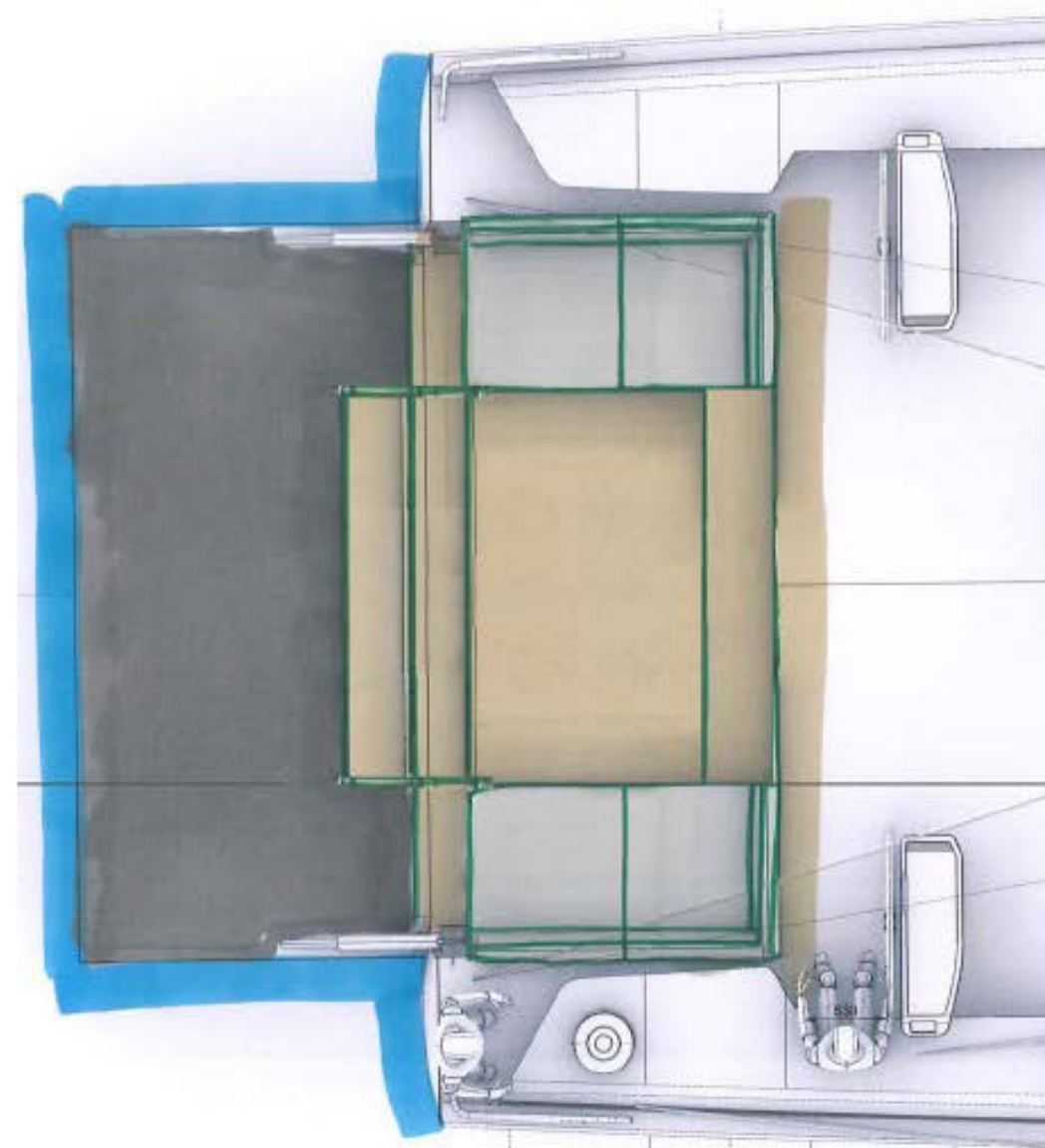


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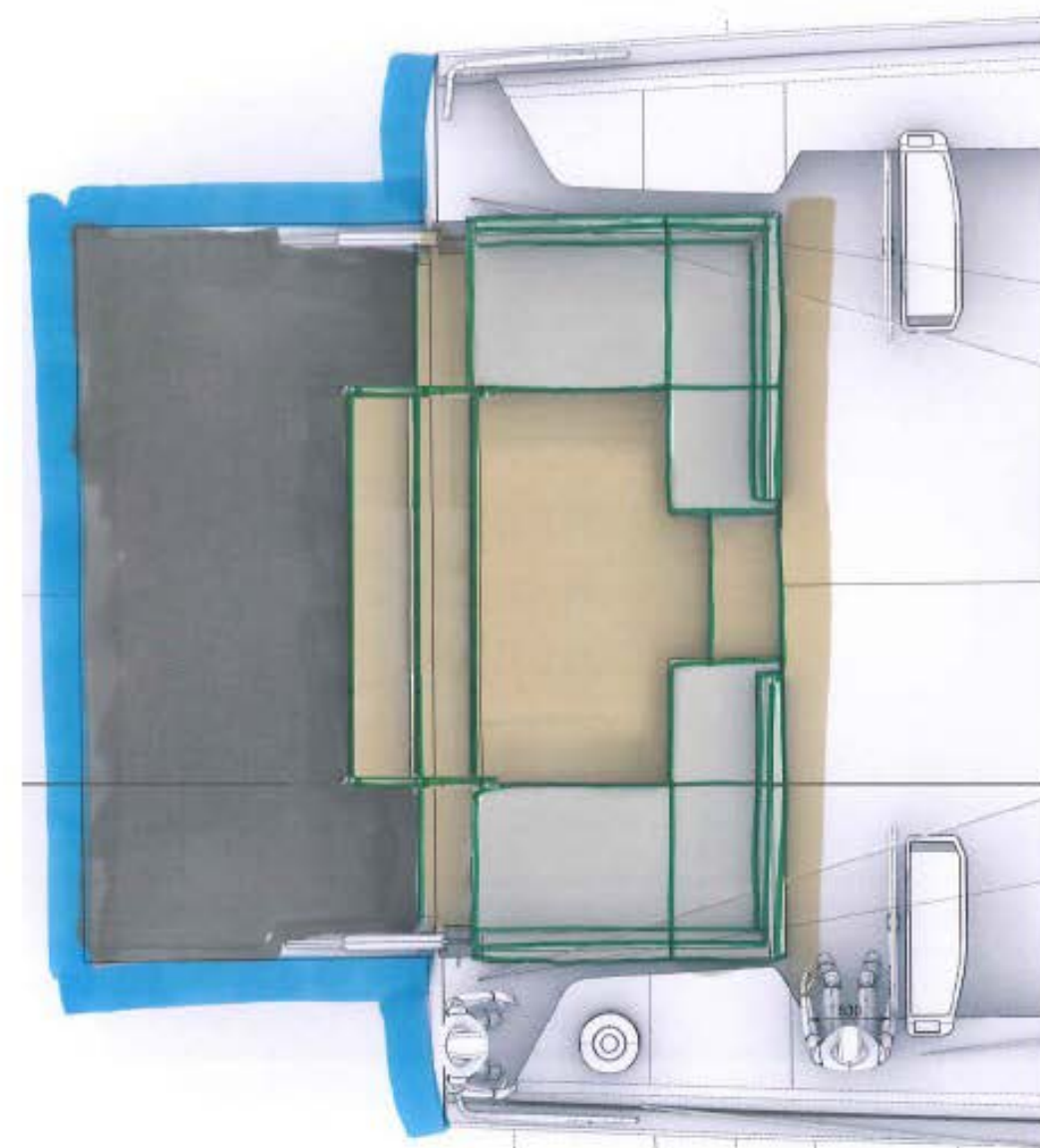




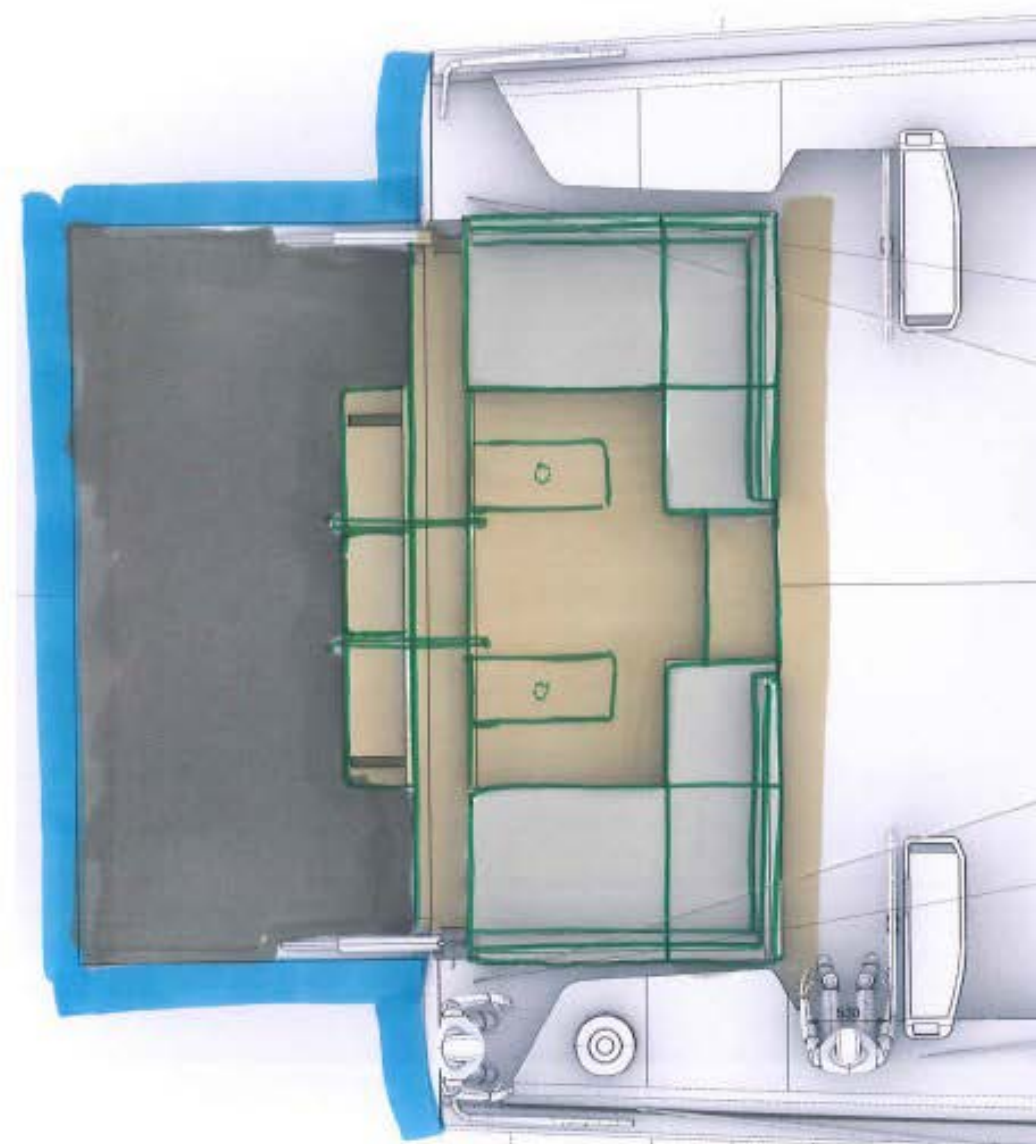
## SEASIDE LOUNGE DESIGN OPTIONS



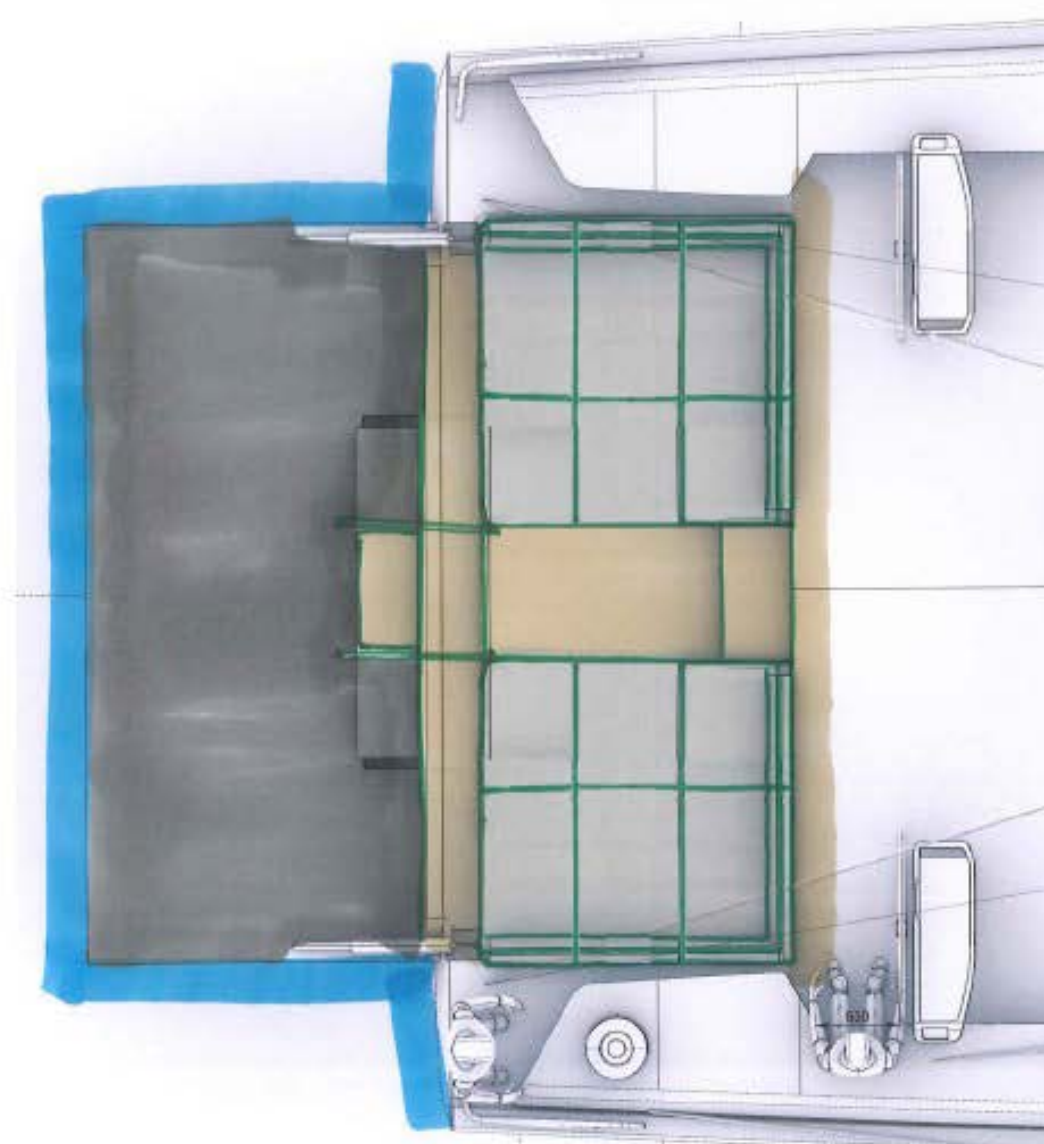
A) LONGITUDINAL SUNBEDS  
AS PER 3D VIEWS



B) "L" SHAPED SOFA  
AS PER 3D VIEWS



C) "L" SHAPED SOFA w/ COFFEE TABLES  
(TABLES COULD TRANSFORM INTO SUNBEDS)

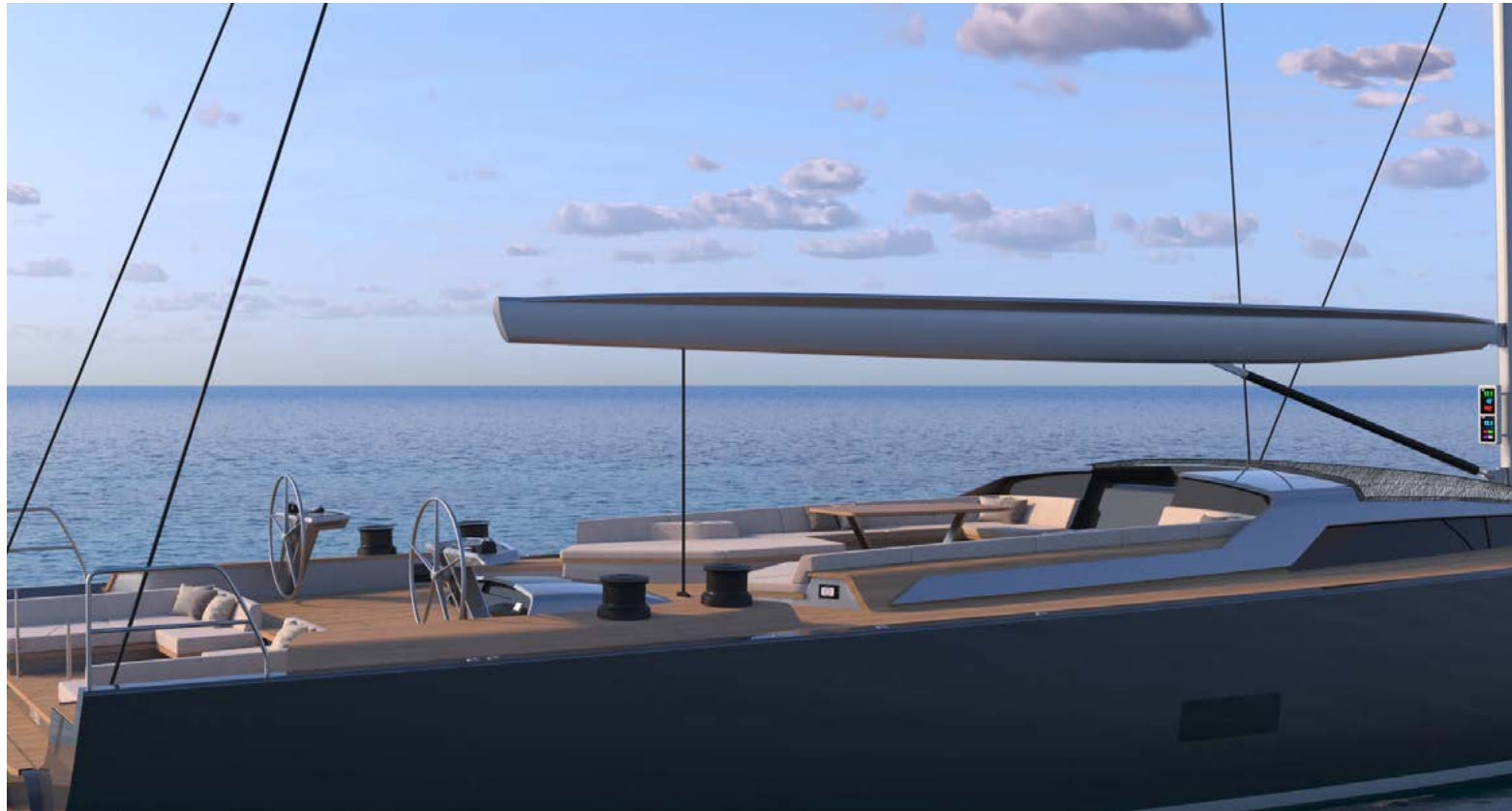


D) TWO FIXED SUNBEDS



# INNOVATIVE AND FUNCTIONAL BIMINI

An innovative and stylish carbon rigid bimini is being designed to provide guests with a sheltered area where they can relax, dine, or enjoy the view while being protected from the sun, wind, or rain. The structure is designed to be stored on the coach roof when not in use.





## INTERIOR DESIGN

*"Starting from conceptual development of the original SW100 in 2004, followed by the SW102, SW96 and SW105 semi-custom series, we developed and gathered a comprehensive range of solutions.*

*During this same period, Southern Wind collected a detailed understanding of the needs and preferences of their owners, captains and crew.*

*The SW100X is a culmination of this combined intelligence and demonstrates a synergy between the requirements of the end user and the best possible solutions available today.*

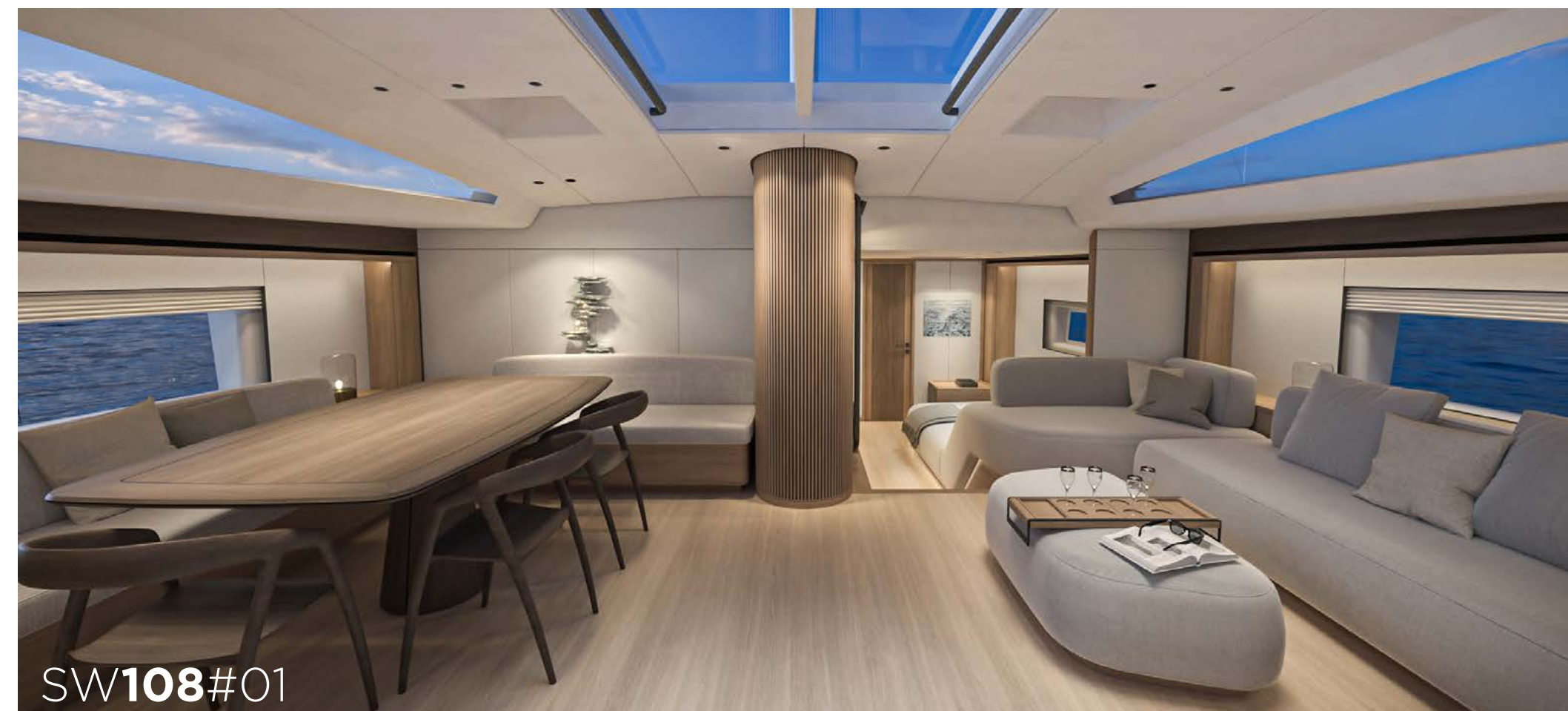
*The new SW100X represents the pinnacle of fine tuning and optimization of available space in a sailing yacht of this size range.*

*The appropriate balance between living space, for both guests and crew, while maintaining decent storage space and proper access and serviceability to all systems and equipment.*

*Our latest and most contemporary interior design is the result of a 360 degree experience in interior creation, combining our experience designing interiors for the largest motor yachts to the smallest sailing and motor yachts.*

*The SW100X interiors reflects an interior design that embodies our love for sailing, the interior material palette also reflects our commitment to natural materials and sustainable living within our environment."*

Massimo Gino, Nauta Design



SW108#01



SW105 TANIWHA



SW100 CAPE ARROW



SW102 HEVEA



SW96 SEATIUS



SW96 AMMONITE









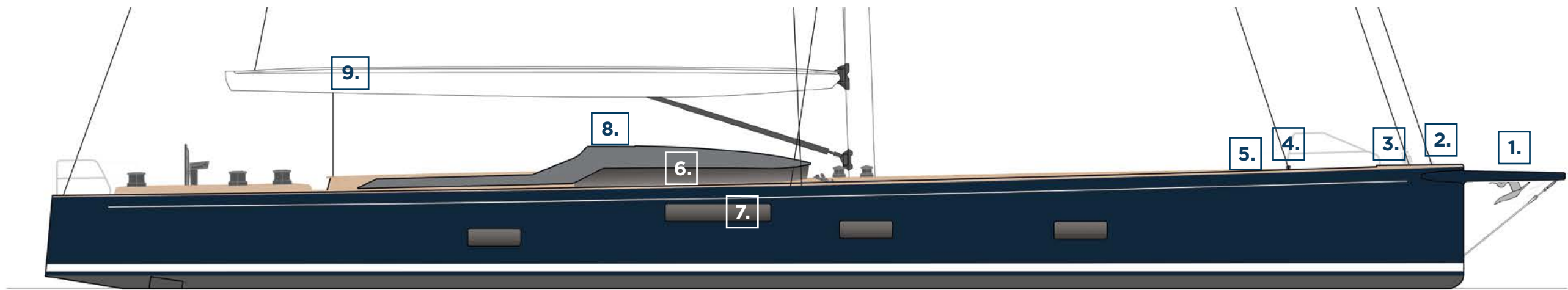




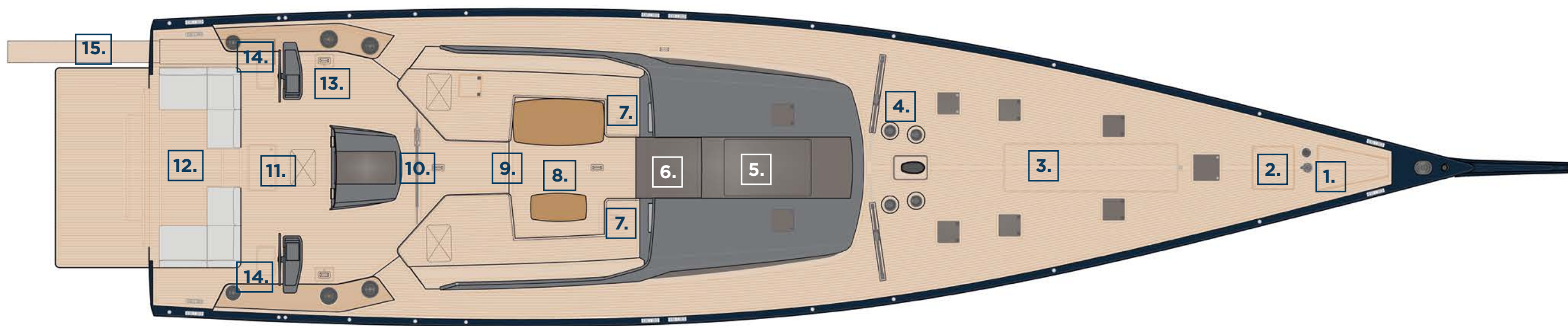


**SW100X: AN ICONIC FAST CRUISER RE-IMAGINED WITH EXPERIENCE**

LAYOUT



- 1. Fixed bowsprit with integrated anchor always ready to deploy
- 2. Optional hydraulic furler for Code zero or gennaker
- 3. Headstay furler with clear distance from Code zero furler
- 4. Removable inner forestay torsion cable
- 5. Hydraulic staysail furler
- 6. 270° panoramic views through "X coachroof" windows
- 7. Extra wide saloon hull window
- 8. Removable sprayhood in canvas and transparent vinyl
- 9. Park Avenue or optional Truss boom

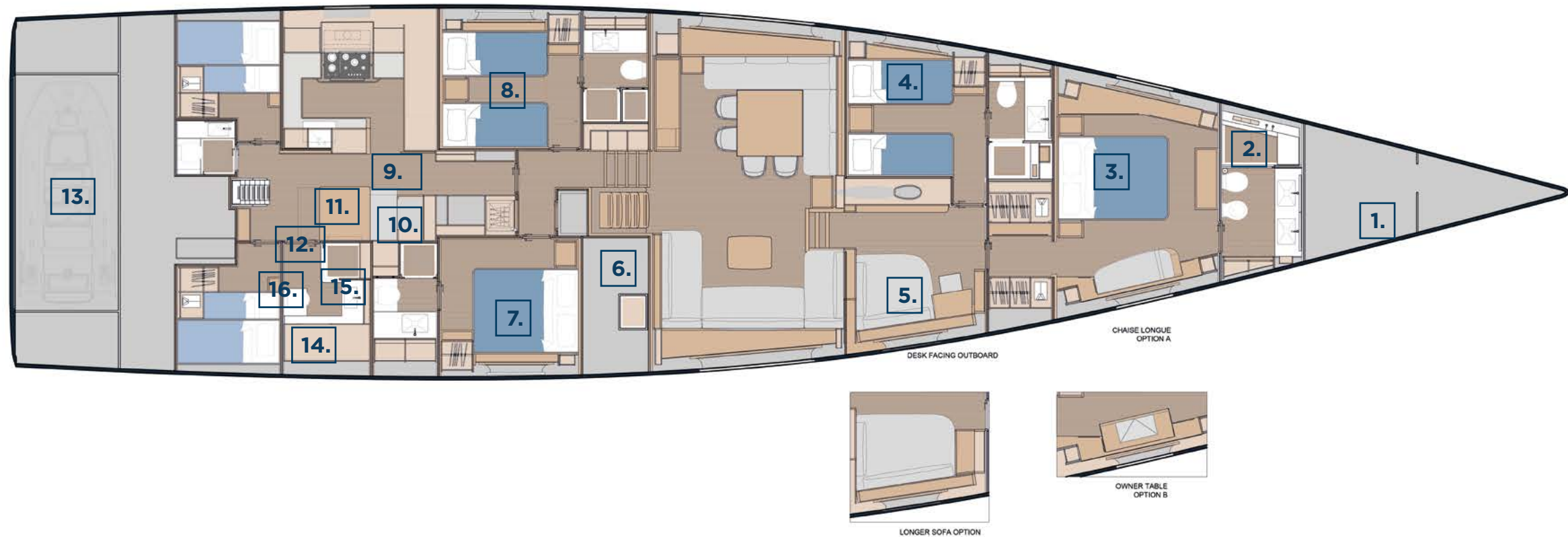


- 1. Anchor locker
- 2. Large sail locker with space for Code zero, gennaker, spare outboard, fenders, ropes and hardware
- 3. Optional foredeck locker to store staysail and other equipment. Can be used for spinnaker drops when racing.
- 4. Hydraulically operated transverse jib tracks
- 5. Optional skylight
- 6. Double wide companionway to maximize natural light and visibility
- 7. Integrated liferaft lockers
- 8. Extra wide center cockpit with two symmetrical tables
- 9. Single shallow step from aft deck to center cockpit
- 10. Optional main sheet traveller
- 11. Centerline access to lazarette
- 12. Multifunction transom with 'seaside lounge'
- 13. Single level cockpit floor
- 14. Helm positions max outboard on wing islands for best visibility
- 15. Optional carbon fibre telescopic gangway.



SW100X: AN ICONIC FAST CRUISER RE-IMAGINED WITH EXPERIENCE

LAYOUT



1. Generous sail locker

2. Extra-large shower

3. Owner's bunk 1,60m x 2,05m

4. Berth options include either fixed extra-long bunks (2.10m) or convertible twins/double of 2.0m length

5. Multifunction space can be configured as TV lounge, studio or bar area

6. Pre-engine room technical space

7. VIP cabin with 1,60m x 2,00m wide berth, option to increase length to 2,05m

8. Option for twins/double convertible for maximum versatility
9. Optional door to separate galley from crew mess, meeting MLC requirements and allowing guests' access to galley without disturbing crew

10. Multipurpose bench seat for nav station or crew mess

11. Crew mess table with seating for four crew

12. Second crew head

13. Optional transverse tender garage to accommodate Williams SportJet 435

14. Space for 9kg washing machine and separate dryer

15. Dedicated shower cubicle

16. Option to make stbd crew cabin ensuite with private head

DESIGN DIMENSIONS \*\*

LOA	30.53m (32.70m including bowsprit)	100 ft
LWL	28.62 m	93.90 ft
BEAM MAX	7.32 m	24.01 ft
DRAFT	4.0m (fixed keel)	13.1 ft
	3.65-5.6 m (telescopic keel)	11.97-18.37 ft
DISPLACEMENT	67,8 t	149473 Lbs

ENGINE	Standard propulsion: CUMMINS QSB 6.7MCD 305 HP @ 2600 RPM  IMO TIER III Compliant Propulsion: optional (TBD)  Hybrid propulsion: optional (TBD)
FUEL TANK	4000 l (TBC)
WATER TANK	1800 l (TBC)
TENDER GARAGE (Optional)	Williams SportJet 435

DESIGNERS

GENERAL CONCEPT	Southern Wind and Nauta Design with Farr Yacht Design
EXTERIOR AND INTERIOR DESIGN	Nauta Design
NAVAL ARCHITECT	Farr Yacht Design
BUILDER	Southern Wind Shipyard

**\*\* DISCLAIMER:** The specifications included in this presentation are to be considered as preliminary and may be subject to minor variations.



**SW100X**  
ALLSEAS









