BUILT BY

oceAnco

VRIPACK

YACHT DESIGN

LATERAL

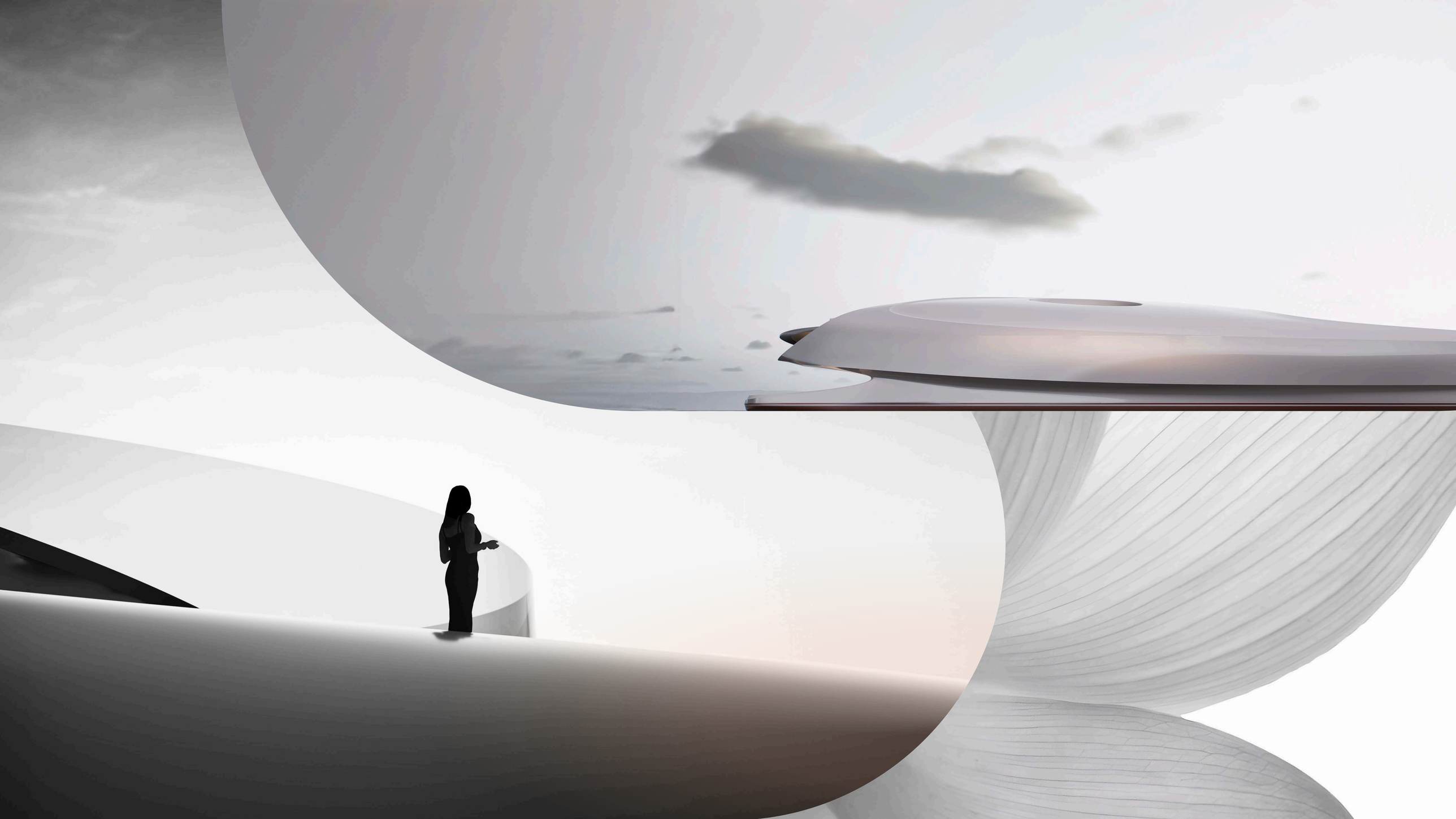
NAVAL ARCHITECTS

by OCEANCO

beyond

CUSTOM

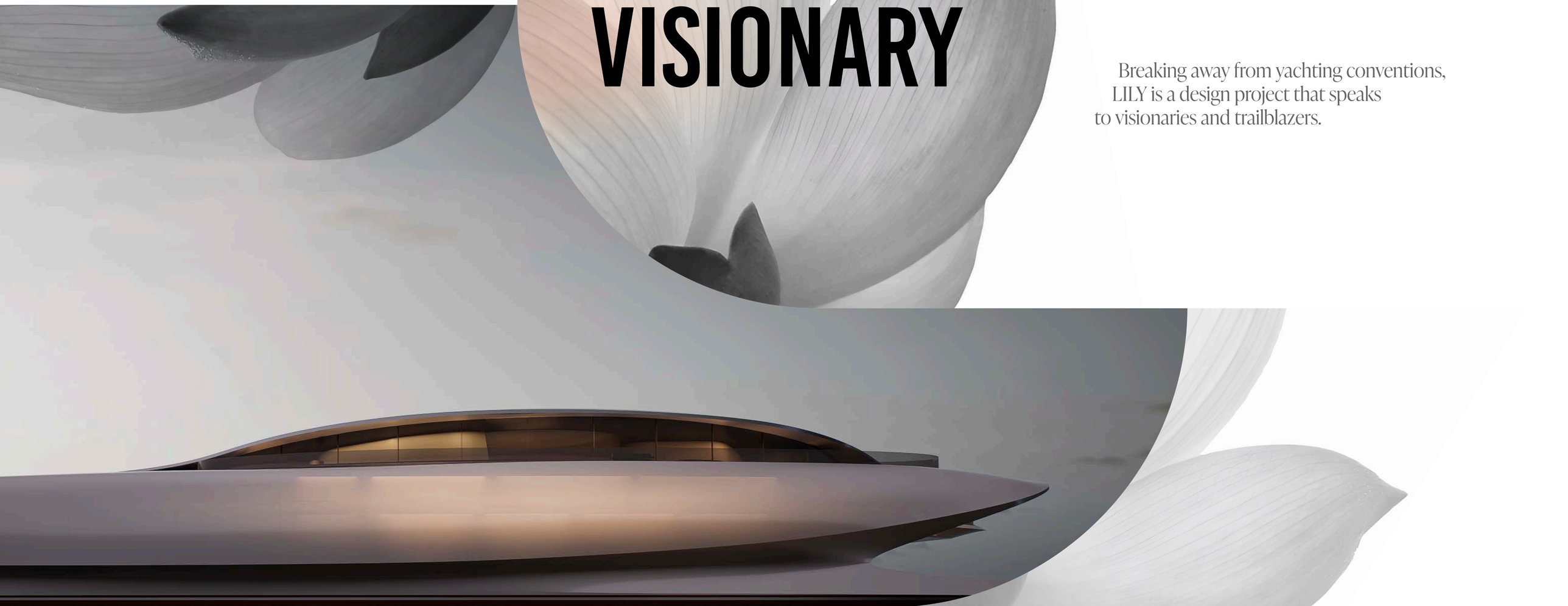

BEYOND
elegance

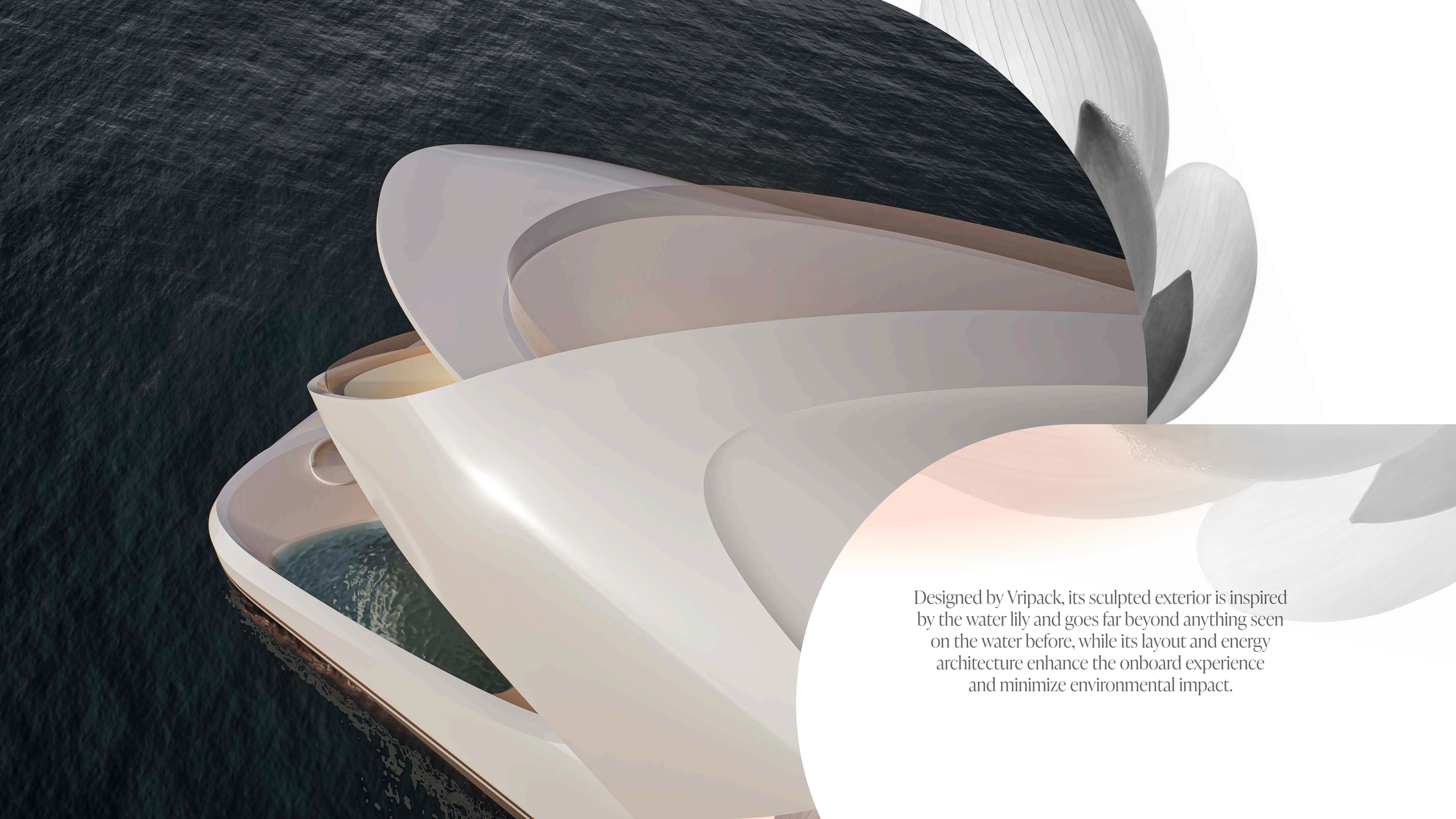



BEYOND
expectation

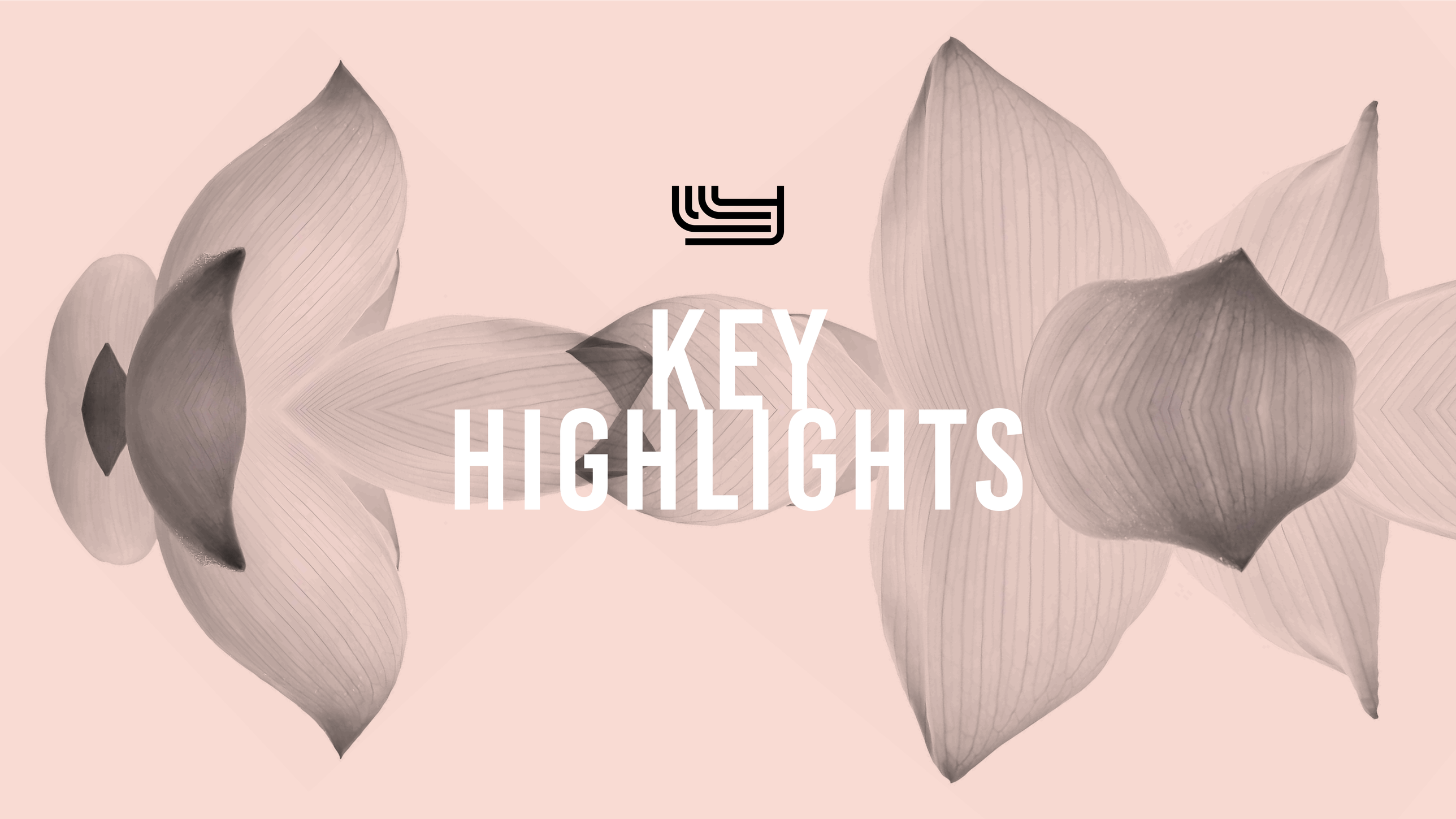
VISIONARY

Breaking away from yachting conventions,
LILY is a design project that speaks
to visionaries and trailblazers.





Designed by Vripack, its sculpted exterior is inspired by the water lily and goes far beyond anything seen on the water before, while its layout and energy architecture enhance the onboard experience and minimize environmental impact.



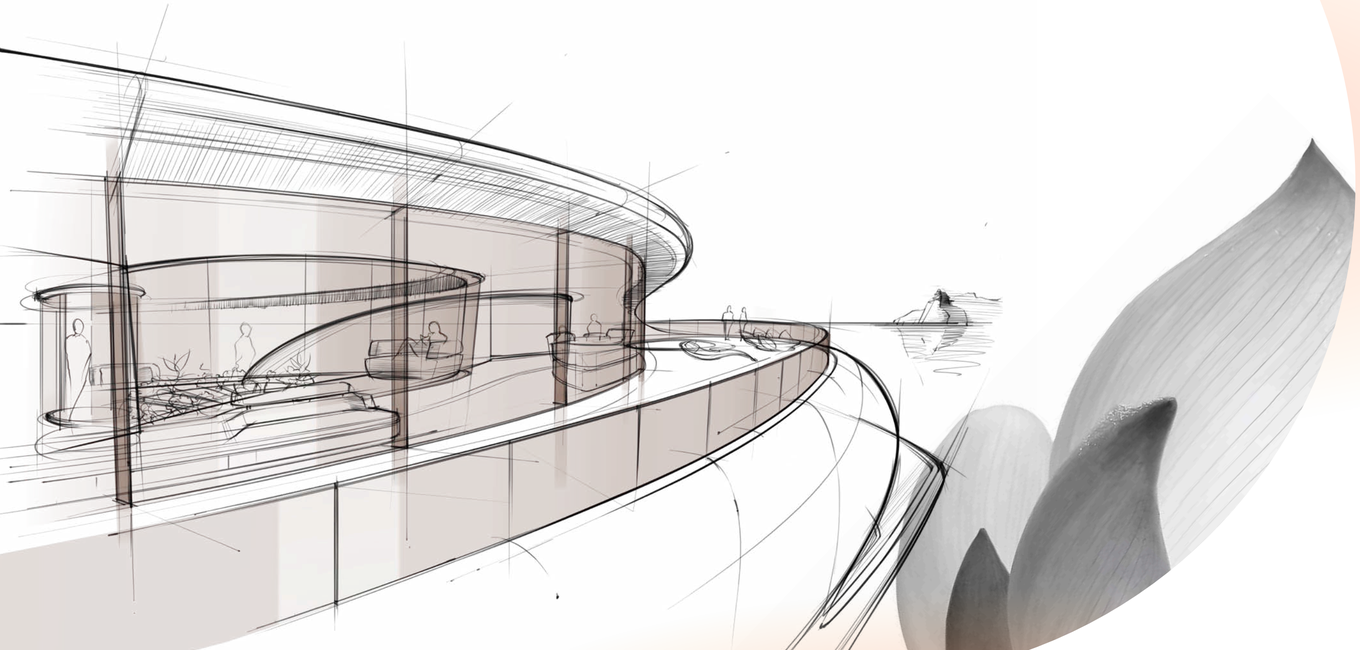
KEY HIGHLIGHTS

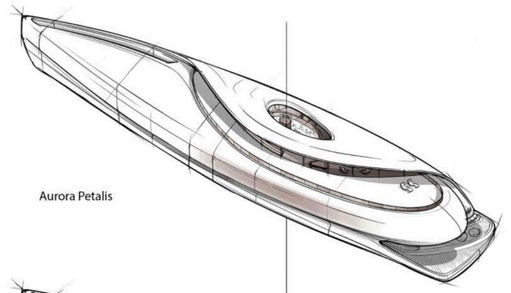
SPLIT-LEVEL LAYOUT

Defying traditional yacht architecture, LILY features an asymmetric, split-level layout that maximizes space and flow throughout the yacht. Coupled with glass surfaces, the design creates a dramatic visual impact thanks to extended sight lines and unexpected vantage points.

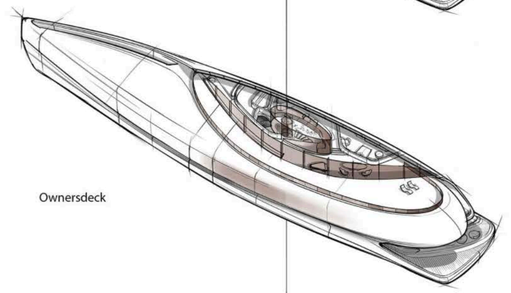
OWNER'S APARTMENT

An open-plan owner's apartment spans the top deck, encompassing 450m² of interior space and 315m² of exterior deck space. Floor-to-ceiling windows frame the sweeping views and blend indoor and outdoor living. Accessible via an elevator and stepping stones through a lily pond, the apartment also has a split-level design to ensure an open yet private retreat.

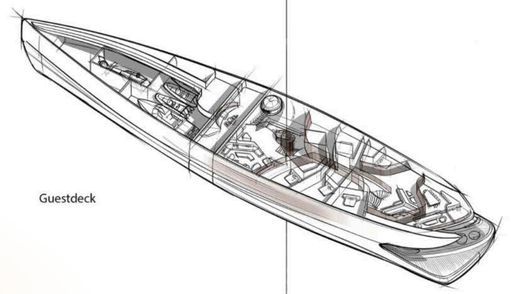




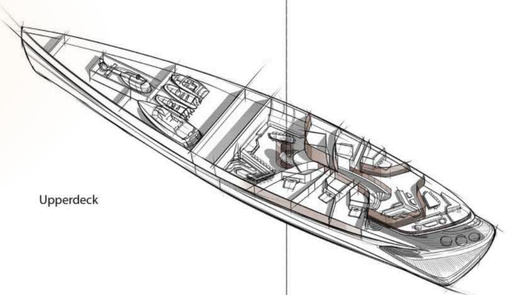
Aurora Petalis



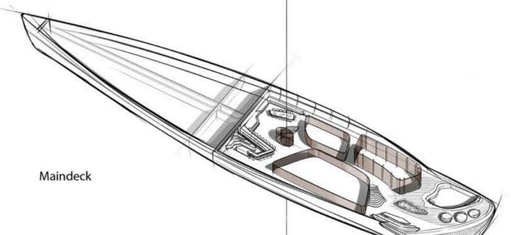
Ownersdeck



Guestdeck



Upperdeck



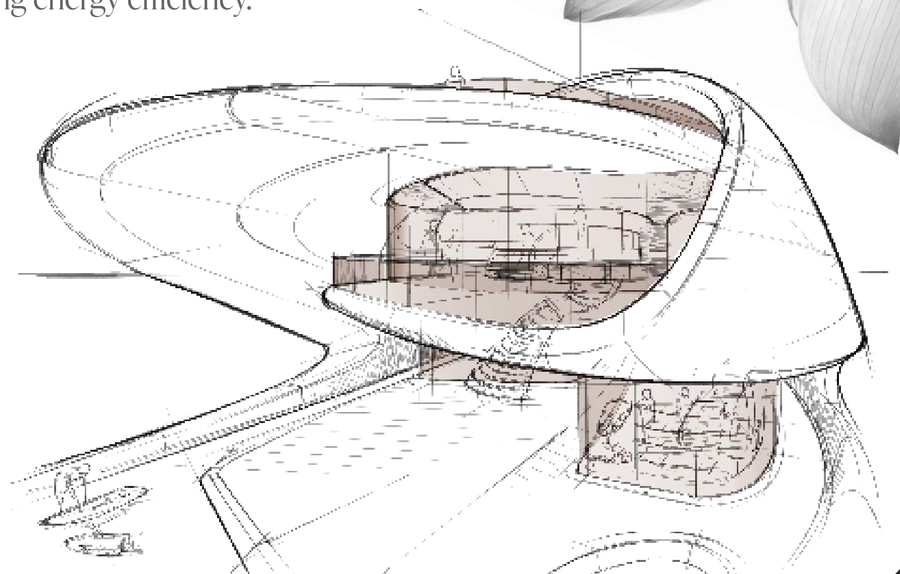
Maindeck

ENERGY ARCHITECTURE

LILY’s energy architecture delivers performance and onboard comfort while minimizing environmental impact. The Lateral e-Hybrid system uses batteries as the primary energy source, enabling quiet, low-vibration operation with zero local emissions. The ABB Dynafin propulsion system, which mimics the motion of a whale’s tail, sets new standards for efficiency.

OPTIMIZED AIRFLOW

The split-level layout is designed to maximize natural airflow, significantly reducing reliance on the HVAC system and improving energy efficiency.



TECHNICAL INFORMATION

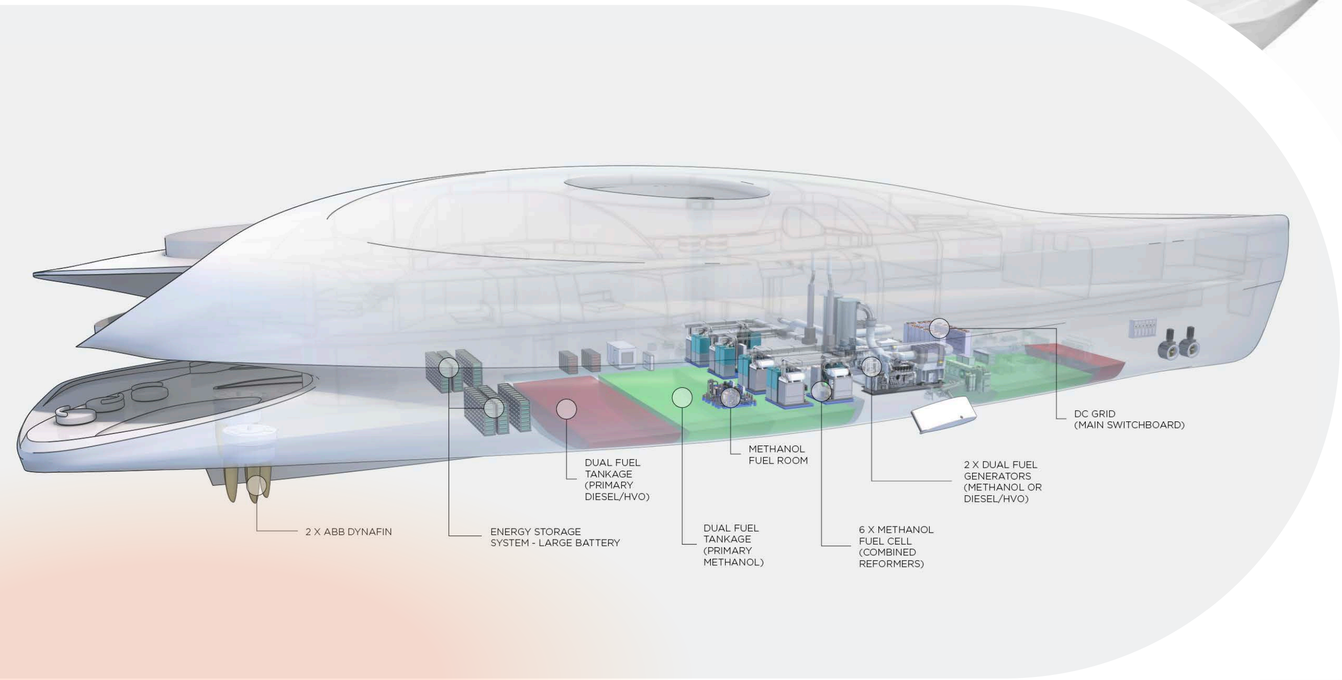
Lateral developed the Energy Transition Platform to engineer a yacht that can adapt to the evolving demands of the industry while enabling a phased transition to 100% methanol fuel. This approach provides a controlled pathway for adopting new technology, mitigating the risks of being an early adopter while ensuring the yacht remains future-proof.

Project Lily represents an evolution of Lateral's Energy Transition initiative, designed for the next generation of yachts. It offers fuel flexibility in a future-ready design, giving owners confidence in navigating the uncertainties of fuel availability.

The yacht is powered by a combination of methanol-reforming fuel cells and dual-fuel methanol/diesel engines, with dedicated tanks for both fuel types. The fuel cells, chosen for their high efficiency, generate enough power to meet the yacht's hotel load while operating entirely on green methanol. Meanwhile, the high-power-density dual-fuel engines provide propulsion and charge the onboard battery system, capable of running on diesel, HVO, or methanol.

With the ability to seamlessly switch between diesel and methanol, owners can operate their yacht anywhere in the world without concerns over fuel logistics or supply uncertainties. This flexibility also enables reduced emissions when green methanol is available. The yacht's intelligent tank design and high efficiency allow for a transatlantic VVrange on methanol, HVO, or diesel.

Ongoing advancements in methanol-reforming fuel cells, dual-fuel engines, and efficient yacht design provide unprecedented capabilities, all while maintaining a minimal impact on guest interior space.



SPECIFICATIONS

Lenght	101m/331ft
Beam	21m/69ft
Gross tonnage	5600
Design	Vripack
Naval architecture	Oceanco & Lateral
Sustainable technology	ABB


BUILT BY
oceAnco
VRIPACK
YACHT DESIGN
LATERAL
NAVAL ARCHITECTS
ABB