

ZERO EMISSION SUPER YACHT VY-01

CONCEPT STUDY

3DELUXE
SEPTEMBER 15TH 2021

ZERO EMISSION YACHT VY-01

YACHT CONCEPT VY-01



CONCEPT

ZERO EMISSION SUPER YACHT TO BE ADMIRERD IN THE HARBOUR OF MONACO ON SUPERWORLD

As one of the innovative highlights of the Monaco Yacht Show, the 3deluxe design studio launched an emission-free super yacht, which is for sale as an NFT (digitally encrypted token) on the Superworld auction platform.

At the same time as the Monaco Boat Show, the visionary yacht will be available to admire as a virtual 3D model in the port of Monaco via the Superworld AR platform. Half of the proceeds for the sale will go to the marine conservation organisation Sea Change of the producers of the Oscar-winning film My Octopus Teacher.

SEAFARING IN UPHEAVAL

The challenges of climate change are forcing all industries to radically rethink. In the technically ambitious yacht building sector, interesting developments are visible which that could be exemplary for achieving the goal of significantly reduced emissions in global shipping. Some shipyards and technology companies are already very advanced with the development of emission-free Some shipyards and technology companies are already very far along in the development of zero-emission propulsion systems using fuel cell technology and are holding out the prospect of the first zero-emission ships. The architecture and design studio 3deluxe has many years of expertise in the design of expedition and cruise ships in various formats, and is now presenting a design study for a zero-emission super yacht.

BIOPHILIC SUPER YACHT

The simple, elegant exterior of the yacht is characterised by a homogeneous, closed form. Reduced and streamlined, the volume offers as little resistance as possible to wind and water. The hull merges seamlessly into the side façade up to the high point of the ship. Sensor-controlled louvres are integrated into the raised side walls. sensor-controlled louvres are integrated into the raised side walls, which regulate the incidence of light into the upper decks. and can be closed when the ship is travelling fast or in bad weather. The sheltered flat roof is glazed and allows daylight into the interior. In addition to the glass roof, the sensory slats on the sides are also covered with (transparent) photovoltaic cells that provide electricity for air conditioning, lighting and the desalination system. The steering position is unconventionally located at the bow, so that the open sundeck at the rear can be transformed into a spacious one-piece saloon. open sundeck can be seamlessly transformed into a spacious one-space interior. The sundeck at the stern has a saltwater pool and a small marina with access to the sea.

FROM FARM TO OCEAN: A FLOATING GARDEN OF EDEN

The interior concept breaks with many traditional standards in yacht design and corresponds to the visionary the visionary, nature-oriented philosophy of the project. A light-flooded, loft-like room forms a generous spatial continuum of greenhouse, living room-lounge, kitchen, bar and vegetable garden. Luxury is completely rewritten: natural surroundings instead of plexiglass and brass. Natural healthy air instead of air-conditioning overkill. Health food grown

on the premises, fresh fish from the ocean, relaxation, workouts, online business meetings, celebrating with friends with friends - everything takes place in the inspiring ambience of the paradisiacal biotope. The additional water required for the plants is provided by the seawater desalination system, which is operated emission-free via the photovoltaic system on the roof and the outer shell. The master bedroom is an upwardly open space within the greenhouse - with a view of the starry night sky. The open room concept corresponds to modern living concepts of a new generation of yachts: open, unconventional and close to nature. The hull contains further sleeping and living quarters, kitchen, storage and technical areas.

PRIVATE YACHT & EDUCATIONAL TRAINING SHIP IN ONE

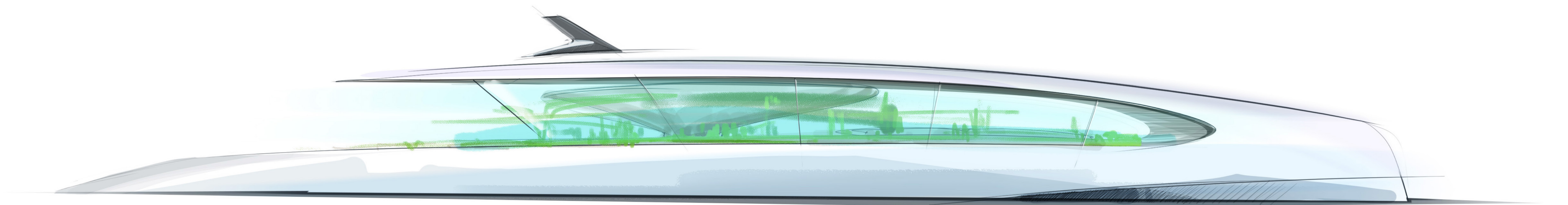
Ideally, the ship will be made available by the future owner for educational purposes while it is at rest.

The aim is to take away the elitist character of such private investments and to use the project as a communicative platform for discussion of the complex challenges of our time.

As a modern, innovative school ship for new inspirational approaches for young people, students and innovative start-ups, as an unconventional place for summits, conferences and think tanks. In this way, the consumption of resources in production could be compensated for somewhat.

SOFT TECHNOLOGIES FOR THE HEAVY METAL INDUSTRY

The most attractive and forward-looking key technology for zero-emission propulsion systems on cruise ships and yachts is currently assessed as the hydrogen-powered fuel cell. The hydrogen required for the fuel cell can either be refuelled or produced locally via emission-free methanol. The availability and handling of methanol is and handling than hydrogen. With one tank of bio-methanol, a fuel cell yacht can cover 1000 nautical miles at slow speed. At present, this technology is still expensive. But as it matures and becomes more marketable, it will become increasingly affordable for commercial shipping. The noiseless electric motors, which could also be distributed decentrally in the ship, would eliminate noise pollution to the outside and the interior of the ship would also be unusually free of noise and vibration. Not only the operation, but also the production of a yacht should be as emission-free and resource-saving as possible. There are already some innovative steel and aluminium producers in Norway and Germany who are reducing CO2 emissions by using emissions by using renewable energies, optimised manufacturing processes and recycling. A similar consideration/optimisation should also be made of the entire yacht manufacturing process. Here, too, innovative yacht building could become a driver for the emission-free future of the entire shipping industry.



STARBOARD SIDE AERIAL PERSPECTIVE

YACHT CONCEPT VY-01



PORTSIDE PERSPECTIVE

YACHT CONCEPT VY-01



GREENHOUSE

YACHT CONCEPT VY-01



MASTER BEDROOM

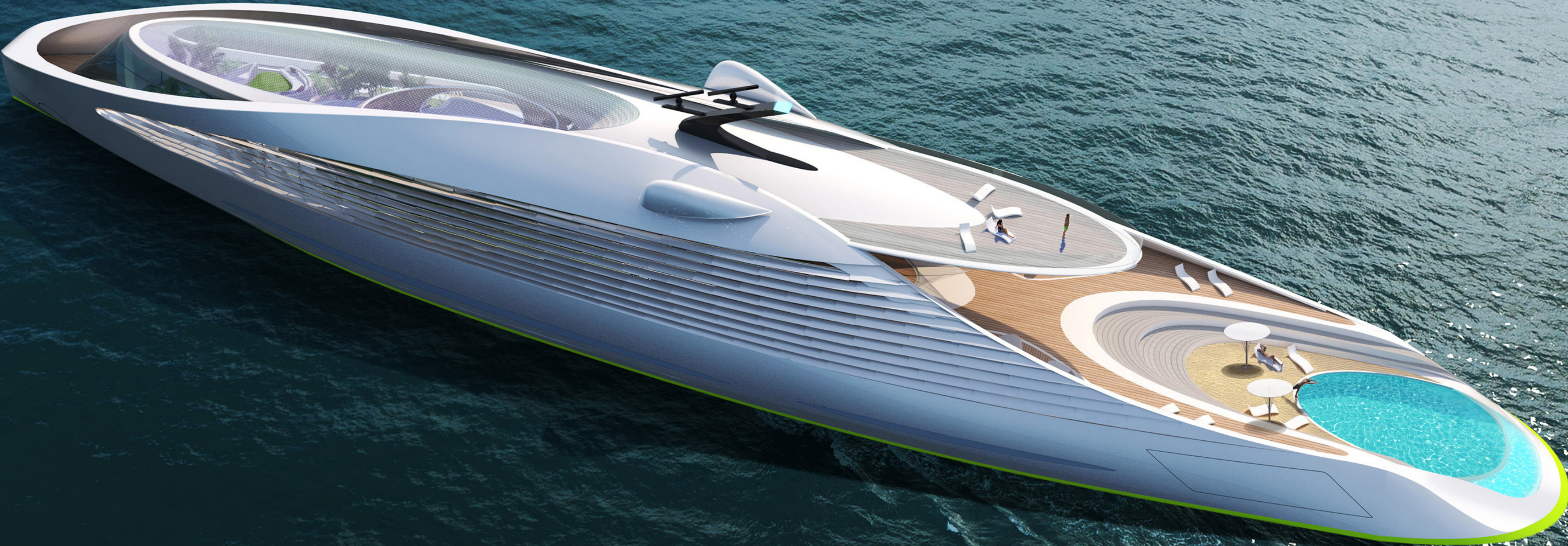
YACHT CONCEPT VY-01

CHILLOUT AREA

YACHT CONCEPT VY-01

PORTSIDE AERIAL PERSPECTIVE

YACHT CONCEPT VY-01

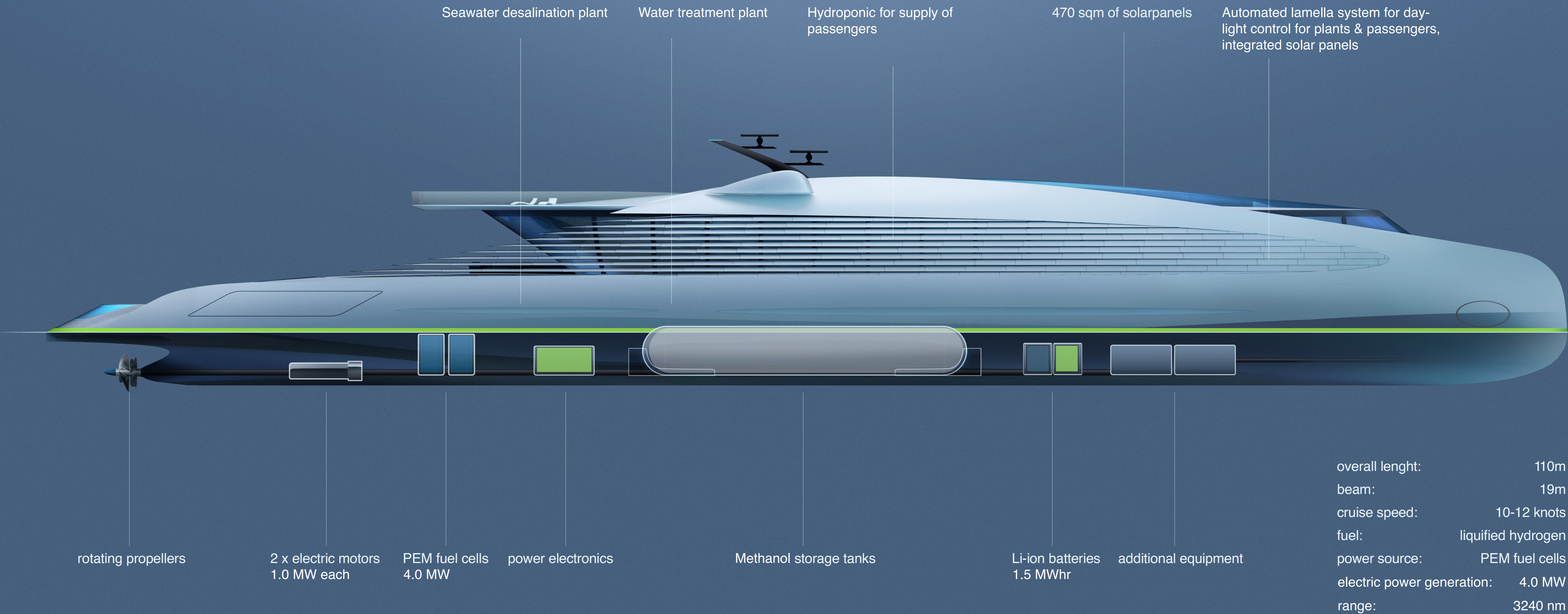


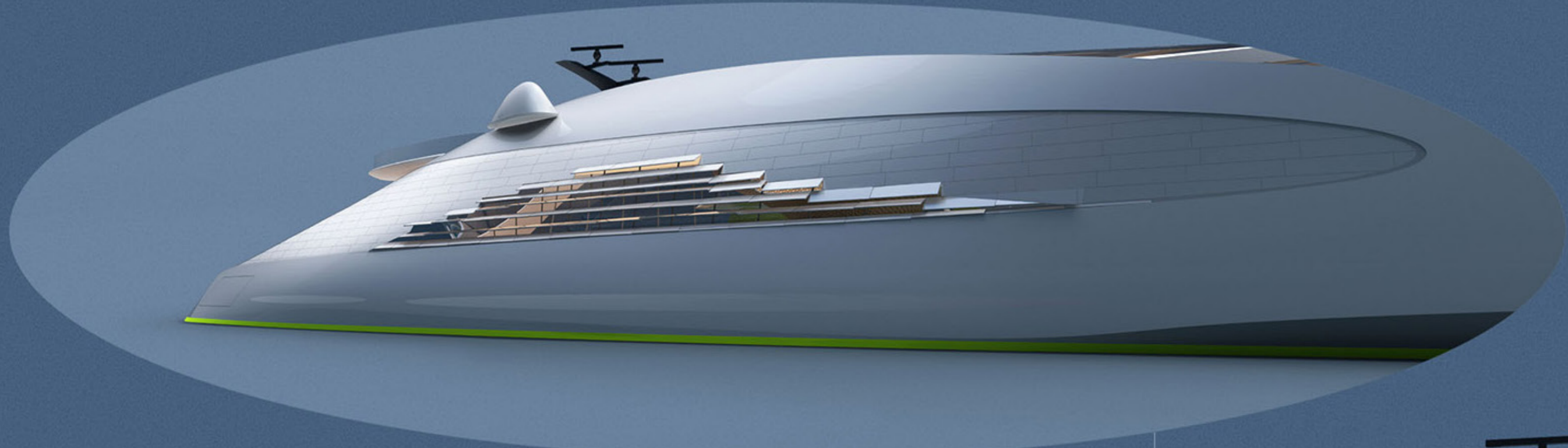
STARBOARD SIDE

YACHT CONCEPT VY-01

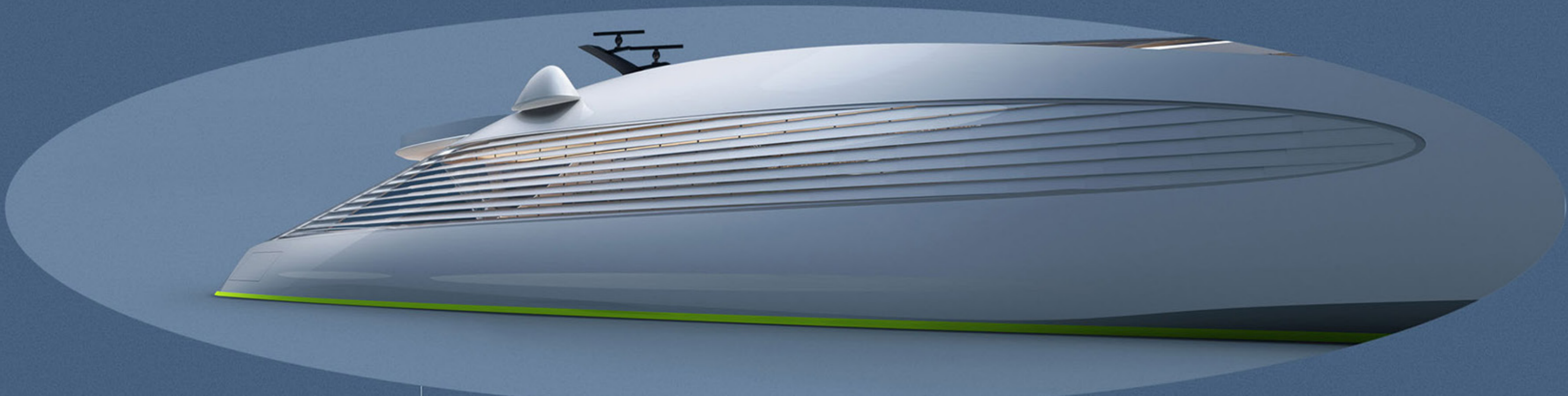


SUSTAINABLE PROPULSION

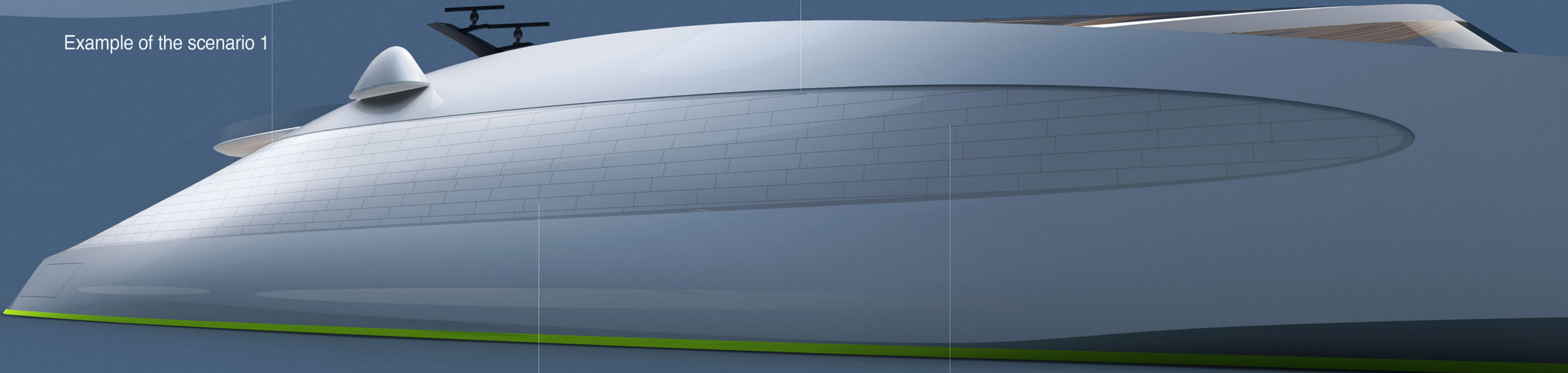




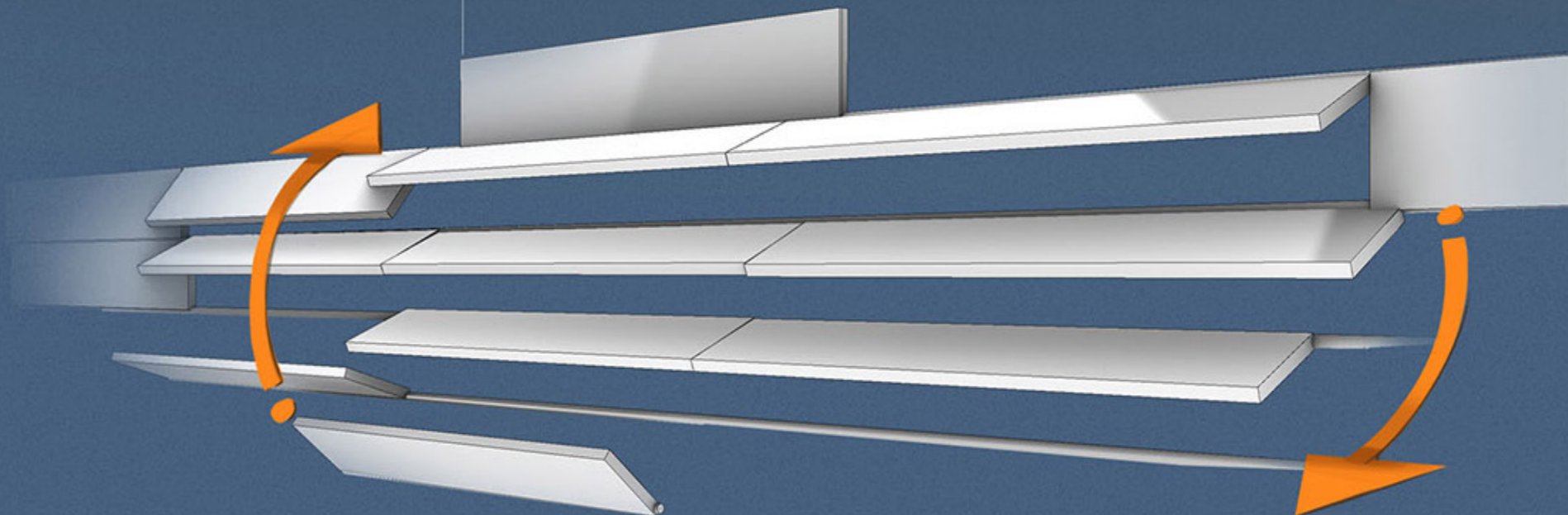
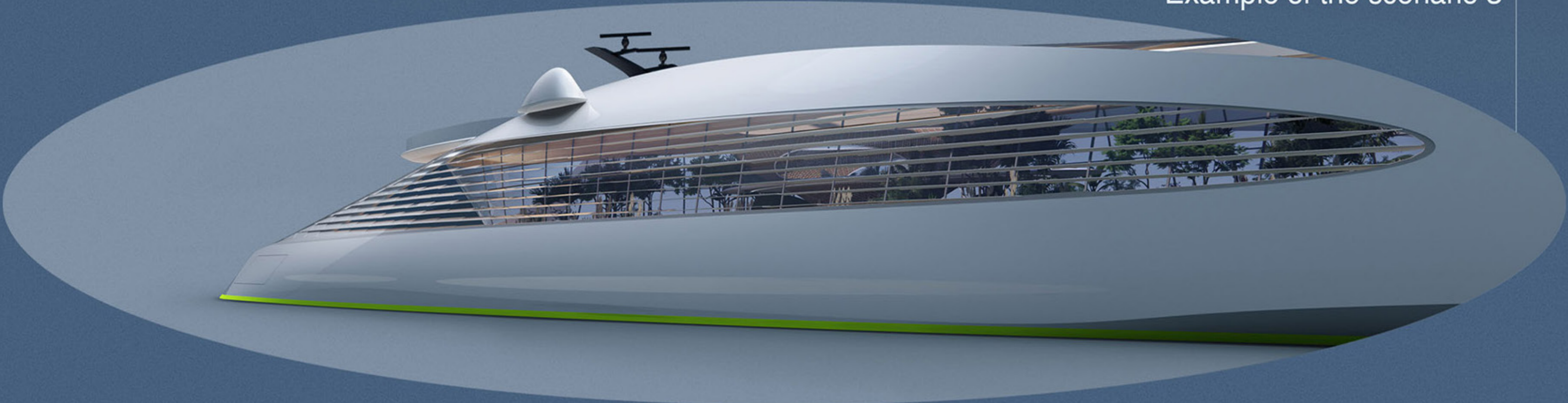
Example of the scenario 1



Example of the scenario 2



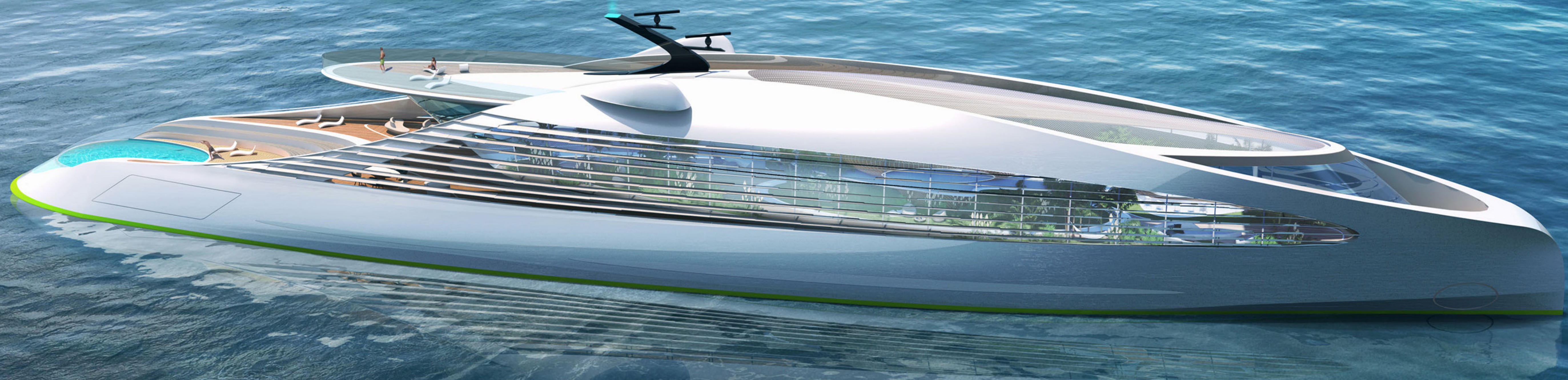
Example of the scenario 3



Segmented central part of the hull are lamellas - hinged flapping mechanism. There are a dozen of scenarios, to create different atmosphere inside of 60m oasis space.

STARBOARD AERIAL PERSPECTIVE

YACHT CONCEPT VY-01



PORTSIDE PERSPECTIVE

YACHT CONCEPT VY-01

