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## **BIOBLU SUSTAINABLE YACHTING AND ONITAL STUDIO UNVEIL CONCEPT DESIGNS FOR PROJECT BIO 40M CONCEPT YACHT**

- **BioBlu Sustainable Yachting and Onital Studio unveil the new 40 meters displacement concept yacht**
- **Project BIO: Build, Interiors, Operations - philosophy, tech materials and systems**
- **BIO design philosophy: collaboration with Onital Studio**
- **BIO yacht concept: 360° holistic approach to yacht design and build**

BioBlu offers a reinterpretation of yachting's relationship with People and Planet, owner and ocean, by placing a respect for nature at the core of their activities.

The Project BIO 40-meter displacement yacht is the synthesis of BioBlu's philosophy, one that is in harmony with Onital Studio who joined the team to lead the yacht design process.

BioBlu's services reflect the team's backgrounds in sustainability and wellbeing, yacht design and refit project management. Together they advise on reducing yacht carbon emissions and energy consumption, improving indoor air quality, managing onboard waste, prioritizing healthy, sustainable materials and biophilic design for yacht interiors.

Focused on enhancing the onboard health and wellness experience for the owner and guests whilst considering a yacht's environmental impact on the seas it calls home, BioBlu's team provide a range of innovative solutions to yacht brands, owners and captains.

"We gave considerable weight to concerns around onboard health and wellbeing in this project, balanced with responsible yacht design and environmentally conscious operational practices. As such, the BIO Project 40 meter is a collaborative expression of BioBlu and Onital's shared vision and values".

BioBlu



### **BIO yacht concept**

“Vision is the art of seeing what is invisible to others” (Jonathan Swift)

Project BIO – Build (B) Interiors (I) Operations (O) - aims to enhance the mental and physical health benefits of life at sea for an owner and guests whilst also considering the impact of a yacht on the life of those seas for future generations.

This symbiotic approach of balancing People and Planet, reducing a yacht’s environmental impact on one hand and enhancing its health and wellbeing features on the other, starts in the pre-design phase of a build and continues through into the interiors and operations, with BioBlu playing an integral project management role to ensure the yacht’s unique DNA is present at every point in the development process.

Aesthetically, our design is strongly influenced by the automotive and wellness architecture industries, both leaders in the sourcing and application of sustainable materials. It expresses a streamlined dynamism without compromising the wellness living concept developed by BioBlu Sustainable Yachting.

Onital Studio

### **Build - collaboration with Onital Studio**

The BioBlu team had previous experience developing new yacht concepts together; in this case, the motto of “form follows performance” quickly became central to the project, alongside a focus on sustainability from construction through to the yacht’s end of life, and natural aesthetics for their innate elegance.

Together, these three elements resulted in a design that suggests a new twist on the owner-yacht relationship, as well as the relationship between yacht and sea.

Design highlights include a second bridge with a ‘floating loft’ almost entirely glass-walled with panoramic views of the sea and a transformable stern area used as a beach club, drinks terrace or dining space, according to requirements.

Extendable terraces can add volume to the external bridges or indeed to the cabins, according to the client’s brief in the design phase.

Abundant natural light throughout the yacht combines with smart lighting systems that follow the body’s Circadian Rhythm and high-grade glazing, shielding the owner both the sun’s rays and electromagnetic fields (EMF).

‘Green tech’ onboard comes in the form of solar panels and hydrogen generators



combined with hybrid propulsion systems that currently represent the best option for reducing carbon emissions.

BioBlu and Onital Studio in the fourth quarter of the year, will disclose more details about the project Yacht Bio 40 meters, inherent, the layout, the materials and their applications.

### **Interiors - wellbeing and sustainability**

A panoramic owner's suite has been conceived as the ideal cocoon for mental and physical rest and recovery. A connection to nature is provided via views of the night sky above while reclining on a coconut fibre mattress and organic linen sheets positioned on deep-pile carpets containing upcycled ocean plastic yarn.

A wellbeing area provides both indoor and outdoor exercise spaces with eco-friendly equipment made of sustainably sourced wood and cork.

Biophilic design features such as recycled teak decking, decorative wall panels made of algae, and air-purifying, non-toxic paint in a palette of soothing natural colors helps to bring the outside world in, promoting feelings of vitality.

Similarly, an office area uses the latest wellbeing interior design principles such as air quality monitors, healthy furniture fabrics, a sit-stand workstation and a nature-inspired art installation to improve concentration levels.

### **Operations - systems and procedures**

BioBlu looks to roll its concept out not just into a yacht's Build and Interiors but also into the onboard Operations, again balancing concerns for wellbeing and the environment.

This equates to an initial focus on onboard systems related to water, waste and air: an advanced water ionization and filtration system; high-grade air purification filters and high-performance marine waste vacuum system with hygiene filters respectively, all equate to valuable additions from an onboard operations perspective.

Hygiene and cleaning have never been more important than they are today, so ensuring eco-friendly, non-toxic cleaning materials; anti-microbial treatments on all steel panels and the use of sanitizing UV-C lights reflect BioBlu's pragmatic philosophy of 'marginal gains' in action.



Similarly, there is no easy path towards full 'plastic-free yacht operations' status but Project BIO aims to show what is possible in the short-term by implementing a green procurement policy for the yacht crew to follow as well as supplying natural, marine-based bathroom amenities in reusable bottles to further reduce plastic waste, amongst other details.

Globally recognized third-party certifications are likely to play an increasingly important role in the transition to a sustainable yachting sector, so the BIO yacht has aligned with RESET AIR for indoor air quality, the Clear Ocean Pact for reducing single-use plastics onboard and Yacht Carbon Offset for carbon offsetting.

### **About BioBlu**

BioBlu was Co-founded in 2021 by Matt Morley and Paolo Bonaveri to provide wellbeing design and sustainability consultancy services to the yacht industry. Together with Andrea Venezian as Head of Engineering, they provide solutions for a greener, healthier and more responsible yachting sector to yacht builders, brokers, owners and captains.

Today BioBlu unveiled the first step of the project B.I.O. – Build (B) Interiors (I) Operations (O) a vision for a sustainable 40-meter yacht.

An idea, a project, a philosophy available to be developed in collaboration with a yacht builders, brokers, owners and captains.

[www.sustainableyachtingbioblu.com](http://www.sustainableyachtingbioblu.com)



## **About Onital Studio**

Onital Studio embraces the areas of transportation and industrial design. Applying the scrum work concept, it is composed of multicultural designers working in network from all over the world, sharing their professional expertise,

bringing their own skills, culture and experience. This different approach of a design studio has allowed us to be responsive, adaptive, lean, and efficient in line with our modern world.

[www.onital.studio.com](http://www.onital.studio.com)

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