

Ocean Builders Launches Alpha Blue, a Revolutionary Smart Floating Home Addressing Climate Change and Sustainability

A breakthrough in design, sustainability, and technology that charts a bold new course for ocean-based living

PANAMA CITY, PANAMA, July 9, 2025 /EINPresswire.com/ -- In a quiet bay off the coast of Panama, a structure floats that redefines what it means to call the ocean home. [Ocean Builders](#) today announced the official debut of Alpha Blue, the world's most advanced smart floating home. This fully realized, self-sustaining habitat is designed to meet the challenges of a changing planet while delivering a revolutionary living experience.

Alpha Blue is more than a home. It is a technological platform, a climate solution, and a statement of possibility. Already in the water and already lived in, Alpha Blue integrates breakthrough systems in energy independence, water purification, low electromagnetic field smart automation, and marine environmental stewardship. Together, these create a resilient, intelligent, and sustainable ocean-based lifestyle.



Alpha Blue in Panama



Smart Panel in Alpha Blue

"Alpha Blue marks the beginning of a new chapter in how humans can live with the ocean instead of against it," said Grant Romundt, co-founder and CEO of Ocean Builders. "With sea levels rising and urban infrastructure under strain, we designed Alpha Blue to show that moving with the ocean with intention, intelligence, and respect for nature is not only possible but also

deeply desirable.”

Technology Meets Vision

At its core, Alpha Blue is powered by a suite of custom-engineered systems developed in-house by Ocean Builders’ team of engineers and ocean innovators.

Key innovations include:

- Cora, an evolving privacy-first artificial intelligence assistant that personalizes the living experience.
- A smart home system that minimizes electromagnetic fields, providing a healthier living environment.
- Self-sustaining utilities, including solar power, seven-stage water filtration, and a bio-reactive wastewater treatment system.
- Environmental technology that attracts marine life and regenerates coral around the base structure.
- Marine-ready features, such as a jet ski lift, an underwater AI camera, a private weather station, and drone delivery capability.

These innovations are integrated into a sleek, hydrodynamic design that preserves the marine environment below while offering panoramic views above. Alpha Blue operates fully off-grid and requires no foundation or connection to land, embodying mobility, resilience, and independence.



Living Room in Alpha Blue

Responding to a Global Challenge

By 2050, more than 75 percent of the world’s population will live near coastlines that are increasingly vulnerable to flooding and displacement. Alpha Blue represents a forward-looking answer to this reality. It is a permanent, habitable, ocean-ready structure that adapts to climate challenges while delivering freedom, wellness, and connection to nature.

“Alpha Blue is not just about sustainability. It is about human potential,” said Rüdiger Koch, co-founder and Chief Engineer. “It asks what a home can be when we remove the constraints of where roads end or where real estate begins.”

Built to Inspire

Alpha Blue is the culmination of years of engineering and live testing, following the success of Ocean Builders’ earlier SeaPod concept. In parallel, the company also developed Alpha Deep, a

partially submerged SeaPod variation in which Koch set a new [Guinness World Record](#) for the longest continuous stay in an underwater fixed habitat at 120 days.

The team continues to innovate with a vision of an entire community of floating homes, each pushing the boundaries of autonomy, design, and environmental responsibility.

Alpha Blue is not a concept for the future. It is already here. This living, breathing platform proves what is possible when vision, engineering, and environmental responsibility come together.

About Ocean Builders

Ocean Builders is a leader in marine technology innovation, dedicated to developing sustainable ocean habitats that promote harmonious coexistence between humans and the marine environment. The company's mission is to create eco-friendly solutions that enable a new era of ocean living while preserving the health of marine ecosystems.

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