BPS MARINE™
ULTRASONIC ANTIFOULING TECHNOLOGY

LAGOON 65 CASE STUDY

BY BPS MARINE

INTRODUCTION

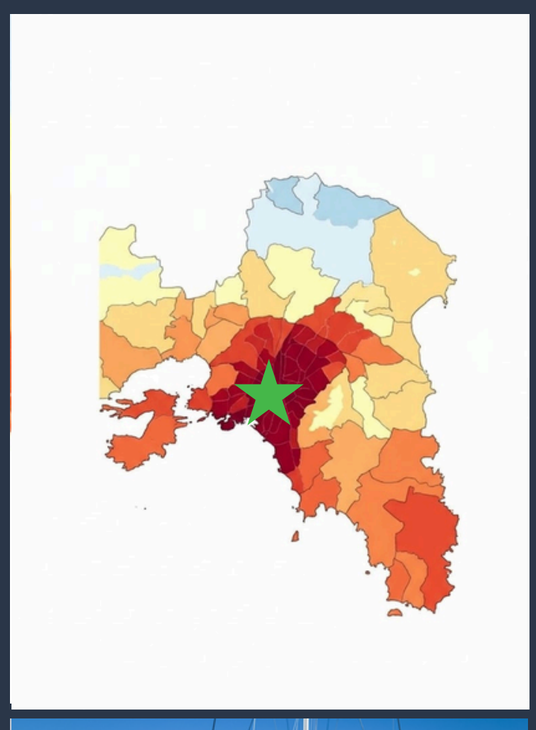
Traditional antifouling paints frequently struggle to defend luxury catamarans against the aggressive marine growth found in the Mediterranean. To combat this persistent issue on a Lagoon 65, the installation of two systems (PRO-6 and PRO-4) were implemented.

Operating over a full summer season, this technology targeted bio-fouling at the microscopic level, preserving the yacht's hydrodynamic efficiency and successfully eliminating the need for the expensive mid-season dive cleanings typically required in these waters.



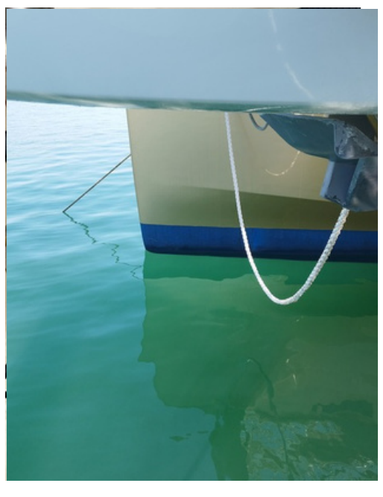
LOCATION: ATHENS, GREECE

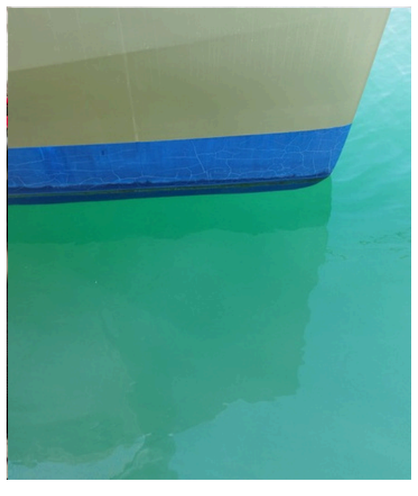
Based out of Alimos Marina in Athens, Greece, this vessel operates in one of the Mediterranean's most demanding environments for hull maintenance. The combination of intense summer sunlight, warm harbor temperatures, and extended stationary periods creates the perfect catalyst for rapid algae and barnacle colonization. For yachts moored in these nutrient-rich coastal waters, proactive fouling prevention is an absolute necessity to avoid severe drag and cooling system blockages.



REPORT LOG 1

The system installation took place in early June, right at the beginning of the busy Mediterranean yachting season. Technicians strategically integrated the PRO-6 and PRO-4 systems directly into the vessel's internal framework. By bonding the transducers to the inside of the hulls and critical raw-water cooling components, the team established a comprehensive ultrasonic barrier across the catamaran's underwater profile. The control units were safely mounted in the engineering compartments, providing continuous, dry-space operation while remaining easily accessible for routine checks.









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PROJECT SUMMARY

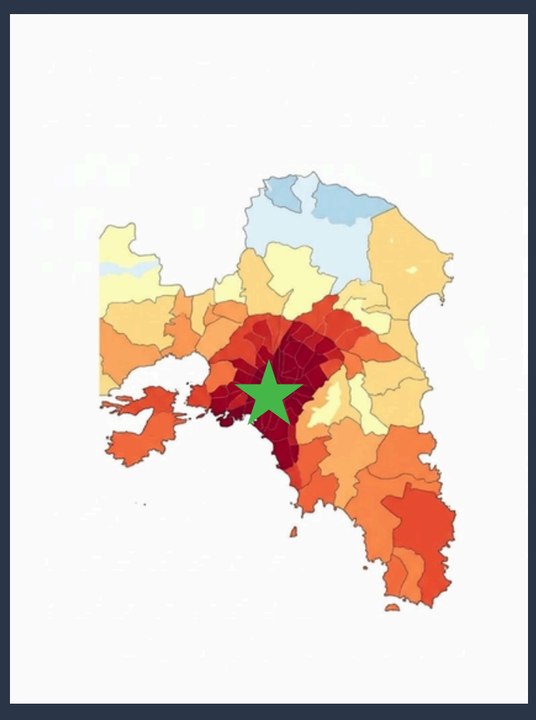
This evaluation documents the real-world performance of the BPS Marine ultrasonic systems aboard a 65-foot private catamaran. Moored in Athens, the yacht faced a grueling season of high-fouling conditions.

Activated in June, the 2 system installation provided uninterrupted acoustic protection for the entire summer. The objective was to determine if continuous ultrasonic waves could entirely replace manual scraping on a large-scale, twin-hull vessel. Following a full season in the water, the results confirmed 100% protection against hard marine growth and bio-fouling.



TEST BOAT: LAGOON 65

The Lagoon 65 catamaran served as the primary subject for this field study. With its massive wetted surface area, twin hulls, and complex internal cooling systems, it represents a highly challenging canvas for marine protection. The vessel's scale and operational profile made it an ideal candidate to demonstrate the acoustic range, structural resonance, and overall protective power of the combined PRO-6 and PRO-4 systems on advanced fiberglass surfaces.



REPORT LOG 2

By stopping the initial attachment of bio-film and larvae, the BPS system successfully neutralized the drag-inducing growth that plagues Mediterranean cruisers. After spending the entire season in the water, a thorough inspection revealed exceptional results. The Lagoon 65's fiberglass hulls, running gear, and internal raw-water strainers remained completely pristine. The owner reported profound satisfaction with the installation, noting that the zero-maintenance system performed flawlessly since day one, ensuring peak cruising speeds and delivering a completely foul-free season.

