



ADVANCING YACHT INNOVATION

ABS has a long history in yacht classification, providing worldwide services to owners, designers and major builders. Through extensive experience and close collaboration with designers, builders and regulators in this specialized industry, ABS provides services to commercial and private yacht owners that advance safety, reliability and structural and mechanical integrity.

Today, ABS is one of the leading class organizations for the global yacht fleet. The ABS classed yacht fleet consists of more than 500 yachts ranging from 24m to 100m, constructed with steel, aluminum or fiber reinforced plastics, and represent all types of sailing and motor yachts from historical replicas to some of the fastest and most advanced super yachts in the world.

ABS is positioned globally, with engineering and survey staff available to help you during all phases of the life cycle. Our team can support yacht designers and yards from the earliest point of project development by helping prove the feasibility of a new technology or concept through its technology qualification process.



© Sarp Yachts

ABS is authorized by the leading flag Administrations involved in the registration of yachts:

- The Bahamas, Barbados, Bermuda, British Virgin Islands, Cayman Islands, Cook Islands, Falkland Islands, Gibraltar, Isle of Man, Luxembourg, Madeira, Malta, Marshall Islands, United Kingdom and the United States

Additionally, ABS can carry out plan reviews, surveys during and after construction, statutory certifications, training and performance and compliance services.

To help as industry advances the latest designs and innovation in the yacht industry, ABS has established a Yacht Focus Group, comprised of surveyors and engineers, which provides a platform to engage with industry stakeholders and a mechanism to route that feedback into the development of future Rules and Guides. To help further

support and complement the ongoing efforts of the Yacht Focus Group, ABS set up a dedicated yacht engineering center in Italy with satellites offices in London and Athens. The Center provides clients with a dedicated team of experienced engineers to help advance yacht projects from concept to reality.

As a Recognized Organization for more than 120 flag States, ABS is authorized by the leading flag Administrations involved in the registration of yachts.

ABS has also received delegated authority for the application of the respective codes: Large Yacht Code, Luxembourg Code, Madeira and many others that form the basis of yacht registration.

In addition to its specialized Rules and Guides for yachts, ABS is helping industry advance the latest in sustainable technologies by addressing industry's most pressing environmental challenges.

ABS CYBERSAFETY® PROGRAM

With all of the technology, state-of-the-art equipment and systems, powerful connectivity and enhanced communications on board today's yachts come greater vulnerabilities than ever before. It is important to understand your risks and mitigate them. The ABS CyberSafety program offers a step-wise approach to dealing with your cyber risks and eliminating future threats.

NOISE AND VIBRATION

Just as critical as getting the aesthetics right in designing a yacht is reducing the amount of noise and vibration that can make or break a newly constructed yacht. ABS offers noise and vibration prediction and measurement tools that can be applied at the earliest design and build stage of a new yacht project. These tools help designers and shipyards make more informed design decisions that reduce the level of noise and vibration once the vessel is in service.



ENVIRONMENTAL COMPLIANCE

Every yacht, depending on its operational profile and size, has unique consideration when it comes to environmental compliance. ABS has solutions developed specifically for yachts that support compliance with a range of environmental issues, including air emissions, ballast water management, underwater noise, ship recycling and solid waste, all with the goal of making compliance easier and more streamlined.

HYBRID PROPULSION

Typically at the forefront of innovation and technology trends, yacht designers and builders have a history of pushing the limits on the current thinking. To advance cutting-edge technologies and exploit new efficiencies, industry

has turned to hybrid power generation from renewable energy sources. ABS has developed an Advisory and guidance to help bring these technologies forward, and through its New Technology Qualification (NTQ) process can help a designer prove the feasibility of a concept and bring the project to existence.

HULL FORM OPTIMIZATION AND HYDRODYNAMIC CALCULATIONS

Critical to yacht performance is a thorough understanding of the hull form and how it responds in different hydrodynamic conditions. ABS offers a Hull Form Optimization service that identifies the most efficient hull form, both model and full scale, by applying validated CFD tools to understand performance.

ABS has the experience and solutions that can help you at any stage of yacht development. Contact us today at yachts@eagle.org to learn how ABS can help you.



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