

CAPABILITY STATEMENT



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Ocean5 Naval Architects
360 NW Alice Ave
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Summary

Ocean5 Naval Architects is a provider of naval architecture, marine engineering, and technical services. Our services include the complete design of vessels to 250', and the support of ship design, construction, and fleet support. We are experts in the complete design of high speed small craft. Our clients praise our work, customer service, and innovative solutions.

As a small business, Ocean5 is committed to excellence and creating innovative and flexible solutions for our Federal Clients.

Services Overview – Core Competencies

Naval Architecture

- Hull Forms
- Hydrodynamics
- Hydrostatics
- Stability
- Structures & Scantlings
- Resistance & Powering
- Arrangements
- Finite Element Analysis

Marine Engineering

- Electrical Systems
- Electrical Panels
- Propulsion Sys. Integr.
- Auxiliary Machinery
- Piping and Mechanical
- HVAC Design
- Noise / Vibration / Harshness

Technical Services

- Project Management
- Construction Planning & Estimating
- Port Engineering
- Refits / Repair Support
- Shipchecks / Survey
- Proposal / Spec. Writing

Additional Services

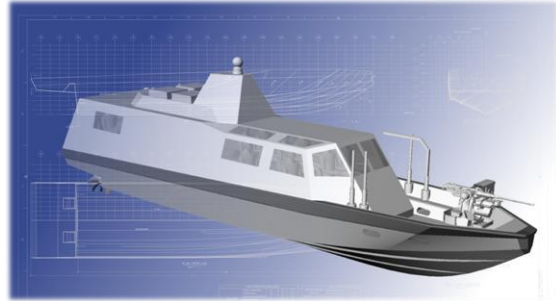
Technical Office Services

- CAD drafting, preparation of engineering drawings from concept to construction level
- CAD 3D surface modeling using various mechanical and NURBS surface modeling software for visualization, simulation, and 5-Axis CNC Machining
- Plotting/printing/reprographics of large format drawings

Custom In-house Developed Computational Design Tools

- Composite structural analysis program
- High speed planing hull resistance and powering prediction system
- These tools allow us to rapidly create and validate engineering solutions cost effectively, and highly accurately

Recent Designs & Samples



Principals & Staff

John Canada – President & Principal Naval Architect - *BSOE, MSNAME, MRINA*

With over 15 years in naval architecture, he provides senior review and technical oversight on all projects. Mr. Canada has served in various leadership positions in the marine industry, including the design and manufacturing engineering departments for major production boatbuilders, principal naval architect for a leading yacht design firm, and as principal naval architect for a high quality custom builder, prior to forming Ocean5. He is an expert in the areas of yacht and small high speed craft design, and in the design and construction of composite and cold-molded vessels. Mr. Canada participates in the daily operations of the firm, and also prepares hull designs, structures, and arrangements.

Robert Kaidy – CEO & Principal Naval Architect - *BSAE, MSNAME-Ch, MRINA*

With over 20 years in naval architecture, he provides project management, senior review and technical oversight on all projects. Mr. Kaidy served in Crystal City Virginia, as senior naval architect for various major defense contractors, as well as in leadership positions with major boat and ship builders prior to forming Ocean5. He is an expert in the areas of ship, yacht and small high speed craft design, and in the design and construction of metal and composite vessels. He has extensive experience directly supporting NAVSEA, NOAA, MARAD, and Army and Marine customers, on-site at the customers design/engineering facility, as well as in the shipyard and onboard ship. Mr. Kaidy participates in the daily operations of the firm, and also specializes in the development of new in-house design tools, and prepares hull designs, structures, stability analysis and arrangements.

Staff

Ocean5 has a staff of six, including degreed naval architects, marine engineers, draftsman/designers, and office staff. Our team includes additional expert consultants providing skilled support that includes computational fluid dynamics, government technical senior program management, vessel and craft operators. This skilled team has broad and deep experience in the design of small high speed composite vessels, including patrol boats, as well as large yachts and ships.

Refer to the resumes for detailed experience and description of each of our team members.

Past Experience and Clients

Ocean5 has experience in providing clients with complete vessel design, construction support, individual and ala carte services, as well as project management and technical proposal writing and review.

Some of our clients include:

- Tampa Yacht Manufacturing LLC
- Pursuit Boats / S2
- Seavee Boats
- Chatham Towing
- Century Boats / Yamaha Corporation
- Wipaire, Inc.
- Regal Boats
- Correct Craft / Ski Nautique
- Palmer Johnson Shipyard
- Boston Whaler
- Sperry Marine
- Northrop Grumman
- Surface Optics Corporation

Corporate

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CCR/ORCA Registered

Legal Form of Business:

Ocean5 Inc. is a privately held Subchapter-S corporation, incorporated in the State of Florida, and doing business as Ocean5 Naval Architects.

Company Background

Ocean5 is small business founded in 2005 which provides naval architecture and marine engineering, and technical services.

NAICS Codes: 541330