U.S. Navy photo by Marshall Fukuki

# Supporting the needs of our maritime clients as “in-house” naval architects or as expert independent consultants

### Naval Architecture & Marine Engineering

MSHIP DNA is a fully qualified naval architecture firm offering complete naval architecture and marine engineering services, including hydrostatics & stability analysis, performance predictions, powering, ship structures, electrical, and HVAC.

### Government Contract & Proposal Support

MSHIP DNA provides support for all phases of government contracting from RFI and RFP responses to complete technical contract data packages. MSHIP has government-approved systems in place for accounting, job tracking and contracting. MSHIP DNA adheres to DCAA/DCMA accounting compliance requirements.

**PES Government Categories:**

- Strategic planning for technology programs
- Concept development and requirements analysis
- System design, engineering and integration
- Test and evaluation
- Integrated logistics support
- Acquisition and life cycle management
- Construction management

*MSHIP DNA - 401 West A Street, Suite 2125, San Diego CA 92101, U.S.A - P 619.232.8937 F 619.232.8759 - www.mshipdna.com*

**7 KEY SERVICE CAPABILITIES:**

1. Complete naval architecture and marine engineering services, including technical data support, documentation for RFP and contract requirements
2. Fundamental naval research of underwater and surface platforms
3. Marine platform operations and testing in open water including performance assessment, human factors evaluation and dynamic load measurements
4. Custom marine research platform for model testing, launch and retrieval simulation, and test craft support
5. Proprietary model tank testing capability including accelerations in sea state and side-by-side rough water assessments
6. Physical and computational modeling of static and dynamic systems
7. Advanced model fabrication capabilities using 5-axis milling and innovative composite matrices for geometric, physical and internal scaling

**Service Disabled Veteran Owned Small Business (SDVOSB)**

M Ship Co., LLC, a service disabled veteran owned small business (SDVOSB), was founded in San Diego, California in 1988 by entrepreneur Chuck Robinson and naval architect Bill Burns to develop hull technologies that improved vessel performance and efficiencies, while reducing pollution and operating costs.

Since then, MSHIP has evolved into a boutique government R&D company creating game-changing technologies on the water, including the U.S. Navy Stiletto, M-hull Technology, Energy Recovery systems, and Rapid Empirical Innovation.

Now, MSHIP is providing design and naval architecture services — which have always been a core capability, our DNA — under the MSHIP DNA banner to the marine market, with special focus on the military and unmanned system segments.

MSHIP team is uniquely qualified to support the growing use of unmanned system in the marine environment. Launching, recovering, refueling and operating these systems from water based platform is much more complicated than from land based sites, and special design and operational consideration need to be part of the development.

**Contract Vehicles, Certifications & Awards:**

GSA
Seaport-e (with AMSEC/HII)
DCAA/DCMA compliant
SDVOSB
TIME Magazine Best Inventions 2006 - M80 Stiletto
CONNECT Most Innovative New Product 2006 - M80 Stiletto

**MSHIP is a proud member of:**

ABYC (American Boat and Yacht Council)
AFCEA (Armed Forces Communications and Electronics Association)
ASNE (American Society of Naval Engineers)
AUVSI (Association for Unmanned Vehicle Systems International)
PSDSRA (Port of San Diego Ship Repair Association)
SNAME (Society of Naval Architects and Marine Engineers)

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