

Developing, Coordinating and Advancing Innovative Technologies

Project Illustrations

- Modular Causeway Design, Testing, Construction, Provisioning, Maintenance and Training. (U.S. Army)
- Environmental Technology Assessments (U.S. Navy, U.S. Army, USCG)
- Life Cycle Cost Analysis (U.S. Army, USCG)
- Service Life Extensions (USCG)
- Business Case Analysis (U.S. Army, USCG)
- Fire Life Safety (USCG, MARAD and FAA)
- Ballast Water Treatment Technology and Testing (USCG and NOAA)
- Solid Waste Disposal at Sea (USCG)
- Business Planning and Implementation (USCG)
- Port Security (USCG and TSWG)
- HSV Support (U.S. Army)
- Vessel Identification (U.S. Navy)
- High Speed Marine Transportation Services (U.S. Army, U.S. Navy, NPS)
- Integrated Market Analysis (USCG, NRL)
- Technology Assessment (USCG, ONR)
- Ferry System Analysis (NPS, Comm. of Mass.)



Contact Us

Infrastructure and Facility Engineering Division

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Infrastructure and Facility Engineering Division

Marine Technology Team at the Volpe Center



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John A. Volpe
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About the Volpe Center

An innovative, Federal, fee-for-service Center of Excellence, the Volpe Center is a leader in global multimodal transportation innovation. As a part of the U.S. Department of Transportation's (DOT) Research and Innovative Technology Administration (RITA), the Volpe Center's mission is to improve the nation's transportation system.

Our Marine Technology Team's Mission

Provide world class engineering, and operational expertise from a Federal perspective to agencies with maritime responsibilities for improving mission effectiveness, enhancing marine safety, security, and environmental protection, and ensuring system reliability, maintainability, and affordability.

Capabilities of Our Staff

- Marine Engineering
- Naval Architecture
- Mechanical Engineering
- Electrical Engineering
- Environmental Science
- Operations Research

Primary Program Areas

- Port Security
- Ship Design, Construction, and Modernization
- Marine Safety
- Marine Operations
- Technology Assessment
- Environmental, Health and Safety Compliance
- Ship Acquisition & Life Cycle Management
- Maritime and Port Security
- Maritime Navigation and Domain Awareness

Our Customers

- U.S. Coast Guard (USCG)
- U.S. Navy
- U.S. Army
- U.S. Customs and Border Protection (CBP)
- Commonwealth of Massachusetts
- National Park Service (NPS)
- Maritime Administration (MARAD)
- Naval Research Laboratory (NRL)
- Office of Naval Research (ONR)
- National Oceanic and Atmospheric Administration (NOAA)
- Federal Aviation Administration (FAA)
- Technical Support Working Group (TSWG)

