



SDVOSB | OWMBE | WA Veteran Owned Business

NAVAL ARCHITECTURE & MARINE ENGINEERING

Art Anderson offers traditional naval architecture and marine engineering services for vessel renovations, repairs and improvements. But it doesn't stop there.

We have a high degree of expertise in the design and renovation of non-powered floating structures and facilities and fixed over water structures and systems. We work with owners and shipyards to monitor and support vessel construction. We also maintain a research and development group that is on the cutting-edge of emerging technologies. Over the decades, Art Anderson has built a reputation of offering unmatched value to our clients by providing crucial experience and expertise in support of naval architecture and marine engineering challenges.

***New Vessel Design | Vessel Refurbishment | Barge Design
Floating Fish Collectors | Feasibility Studies | Stability Studies***



Art Anderson Marine Capabilities

Art Anderson's team of professionals can improve your project through well-coordinated designs, integrated project delivery and management. Our naval architects and marine engineers offer strong technical expertise in floating structures and their behavior in the marine environment.

We have completed project on various vessels that include the following tasks:

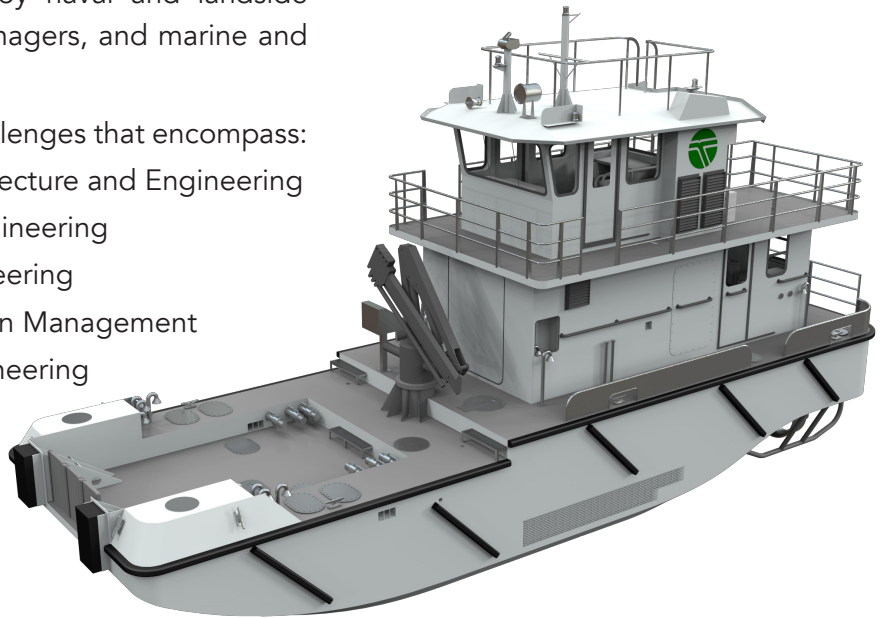
- Feasibility studies
- Naval Architecture
- Marine Engineering
- Marine Electrical Engineering
- Hybrid Power System Engineering
- Ballast Water Treatment, and Vessel VGP design & engineering
- Regulatory (ABS, USCG, API) compliance
- Vessel overhauls and life extension projects
- Propulsion type evaluation
- Propulsion sizing and design
- Preliminary design
- Structural modeling, (FEA) both steel and aluminum
- Computer-aided design and drafting (CADD)
- Contract level design
- Detailed (final) design
- Cost Estimates
- Vessel inspections and condition evaluations
- Shipyard construction inspections
- Shipyard Engineering phase support
- Related design studies, analysis and reports
- Vessel Inclining Tests

Art Anderson Capabilities

What makes Art Anderson different is our breadth of expertise and diversity of services. We employ naval and landside architects, planners, construction managers, and marine and facilities engineers.

We are well-equipped to address challenges that encompass:

- Facilities and Land-Based Architecture and Engineering
- Military and Public Facilities Engineering
- Waterfront and Shoreline Engineering
- Facilities and Vessel Construction Management
- Naval Architecture/Marine Engineering
- Waterborne Transportation Planning and Design



PROJECT HIGHLIGHT: COUGAR DAM FSS

Art Anderson is providing naval architecture and marine design support for the \$120 Million Floating Screen Structure (FSS) at the Cougar Dam, located on the South Fork, McKenzie River. The Floating Screen Structure (FSS) will be located in the cul-de-sac of the Cougar reservoir adjacent and connected to the Water Temperature Control Tower (WTCT).

Art Anderson is providing engineering (weight estimate, hydrostatics, tank capacity tables, intact stability, damage stability, and blocking plan) and developing vessel construction plans including: structure, ballast system, bilge system, vents and sounds, overflows, and discharges, HVAC, and drainage system. All of these features are coordinated into a single 3D model to avoid critical interferences and serve as the development of all drawings including: structural scantling, detailed pipe routing, arrangement, and module construction.

