



Waterfront & Marine Infrastructure Engineering & Design Services

Experienced in both landside and marine engineering disciplines, Art Anderson can address the unique challenges of shoreline and nearshore infrastructure projects. Over the decades with hundreds of successfully completed projects, our clients and partners have come to appreciate the value of our experience delivering challenging shoreline and nearshore transportation, industrial, commercial, recreational and environmental facilities.

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GSA Schedule: GS-10F-0159U
SEAPORT-e: N00178-14-D-7178
NAICS: 541330 Engineering Services
541310 Architectural
541340 Drafting
541350 Building Inspection
Veteran Owned Small Business (VOSB)
SBA Small Business

Core Capabilities

Civil Engineering

- Floating Structures Design
- Marina/Breakwater/Wave Screen Design
- Moorage Design
- Shoreside Facility Design
- Vehicle Ramp Design
- ADA Accessible Design
- Site Planning
- Utilities Master Planning
- Wave Dynamics Studies
- Boat Launch Ramp Design
- Pedestrian Ramp Design
- Fuel Float Design
- Structural Design
- Piling Design
- Shoreline Erosion Control
- Underwater Utilities Systems Design
- Underwater Fuel Systems
- Underwater Concrete Design
- Regulatory Permitting (Local and ACOE)

- Overhaul and Conversion Planning
- Construction Cost Estimating
- Wake Studies
- Stability Studies
- Weight Engineering
- Hydraulic Systems Design
- Vessel Mooring

Mechanical Engineering

- 3D Design and Modeling
- Plumbing Layout & Design
- Water Systems
- Code Studies
- Hydraulic Systems Design
- Fueling Systems
- Machinery Design
- Feasibility & Optimization Studies
- HVAC System Design (Custom and Package)

Electrical Engineering

- System Controls
- Interior and Exterior Lighting Design
- Security and Fire Alarm Systems
- Electrical Load Calculations

Marine Engineering

- Electrical System Design
- Economic Optimizations & Trade-off Studies

- Power System Protection
- Underwater Power Transmission
- Power Vault Design

Construction Management

- Program & Project Management
- Selection & Supervision of Design Team
- Value Engineering Studies
- Constructability Review & Design Consultation
- Production & Distribution of Bid Documents
- Bid Process Management
- Monitoring of Program/Project Schedules & Budget
- Records Management
- Construction Quality Control
- Dock and Pier Inspections
- Submittal Review
- Field Change Preparation
- Change Order Preparation
- RFI Processing
- Punchlist Preparation
- Dispute Resolution



Team Profile

Art Anderson team of professionals can improve your project through well coordinated designs, integrated project delivery and management.

- **Naval architects and marine engineers** offer strong technical expertise in floating structures and their behavior in the marine environment.
- **Civil and structural engineers** understand the behavior of fixed structures like piles and mooring systems that keep everything in place.
- **Mechanical and electrical engineers**, all of whom cross-train in landside and marine systems, ensure utilities are robust and reliable to meet the life cycle demands.
- **Construction and project management** personnel ensure a smoothly-run project delivered on-time, within budget and meeting or exceeding owner's requirements for quality.
- **Architects** considers issues of form, function and aesthetics to make an attractive, efficient and well-designed facility.

Design Build Partnerships

Art Anderson understands the ins and outs of this procurement method, and have a record of success working closely with construction companies as part of design-build teams. We take the principles of partnership in design-build seriously, which is why we strive to build long-term relationships with contractors engaged in design-build. Like our traditional design services, our design-build work has included over-water, shoreline and landside projects. We've worked on small tasks as part of a task order contract and large single projects alike. While we have broad project experience, our design-build portfolio emphasizes public sector and military work.

Clients

Federal

- NAVFAC NW
- National Oceanic & Atmospheric Administration (NOAA)
- US Navy
- US Army Corp of Engineers
- National Parks Service
- NAVSEA
- US Coast Guard
- Office of Naval Research
- General Services Administration (GSA)
- Bonneville Power Administration

Federal Contracting

- AMSEC
- BAE Systems
- Lockheed Martin Space Systems Company

- BergerABAM
- General Dynamics
- Leidos
- Kwajalein Range Services
- Oak Management
- Raytheon
- Tompco/Triton
- Vigor Industrial
- Triton Marine Construction

State

- Washington DOT
- Alaska Marine Highway System
- Illinois DOT
- Washington State Ferries

Municipal

- Kitsap County
- Port of Portland
- Port of Bremerton
- Kitsap Transit

- City & County of Honolulu
- City of Bremerton
- City of Port Angeles
- City of Port Orchard

Commercial/Other

- SAFE Boats International
- Design Alaska
- Brastslavsky Engineering
- Ballard Marine Construction
- Black & Veatch
- Bremerton Historic Ships Association
- Cascade Design Professional
- Foss Maritime Company
- HDR Engineering
- Hornblower Marine Services
- KPFF Consulting Engineers
- Pacifica Marnie
- Stantec