

Marine Construction Management Marine Engineering Services

WHAT WE DO

- Naval Architecture & Marine Engineering
- Construction Management & Marine General Contracting
- Procurement Support

OUR SPECIALTIES

- Compliance with 46 CFR Subchapter I "Cargo and Miscellaneous Vessels."
- Unusual marine structures, marine vessels, and piping systems.
- Practical design solutions.
- Procurement as a Service.
- Emergency Project Correction and Immersive Project Management.



VALUES

Crucible promotes the core values of integrity, teamwork, efficiency, and innovation.

Bringing together the best in the marine industry on each and every project.

ABOUT CRUCIBLE ENGINEERING LLC

Incorporated in 2022, the Crucible team has seen steady growth and increasingly technical challenges. Our team includes 14 people in a variety of disciplines such as naval architecture, marine mechanical systems, piping design, CAD design, marine electrical engineering, technical project management and procurement support.

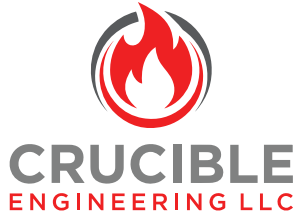
We offer production engineering, detail design, fabrication fixture design, and marine construction management. We are comfortable in the field or in the corporate office. The Crucible team is organized, motivated, skilled in AutoCAD, Rhino 3D, and project scheduling with MS Project.

We have recently formed a strategic teaming agreement with FKAB Marine Design: a leading ship design firm based in Uddevalla, Sweden. This collaboration marks FKAB's entry into the American market, offering a range of cutting-edge ship, dredge, and barge designs previously unavailable in the U.S. This partnership combines FKAB's extensive design expertise with Crucible's knowledge of American maritime regulations.

CONTACT US TODAY!

info@crucibleservices.com

T: (206) 383-1393



Marine Projects are getting more complex, skilled workers are becoming scarce, and the industry needs professionals that fill the gap between the design office and construction.

Crucible Engineering offers practical engineering solutions, experienced project management, and high-performance project teams. Crucible has access to a network of specialized marine contractors and vendors.

NOTABLE CRUCIBLE PROJECTS

Northline Seafoods

400' Fish Tender Barge, "Hannah"

Northline Seafoods converted a 400' x 100' deck barge into a fish freezer tender. The vessel can freeze and store up to 15 million pounds of frozen salmon from Bristol Bay, AK. Crucible was responsible for system design and USCG submittal documents under 46 CFR Subchapter I. Crucible developed six crane foundations using Finite Element Analysis, and provided onsite support to oversee pipe system.



Cashman Stern Bustle Design

We provided the design and engineering of an externally mounted tug notch to fit onto stern of a split hopper barge. We developed the concept, prepared structural drawings, navigated regulatory approvals, and prepared the shipyard bid package. The detail design included dimensioned drawings, material specifications, and weld callouts.



Skagit County Guemes Ferry Repower

We are currently providing marine engineering and naval architectural services to Skagit County to support the repower of the Guemes Island ro-ro Subchapter T passenger ferry and provide shipyard management services. Our innovative design work has significantly improved future engine access and replacement which will reduce down time and improve the ridership experience.

