

# Marine Engineering Solutions

From Heavy Sea Lifts to Salvage Support



**JENSEN**  
**Maritime Consultants**  
A CROWLEY® Company





# Jensen Maritime Consultants

*World Class Marine Engineering  
for the Transportation and Safety  
of Heavy Cargo at Sea*

- Naval Architecture
- Marine Casualty Response
- Sealift/Heavy-Lift Engineering
- Salvage Engineering
- On-Site Engineering Assistance
- Construction Oversight/Support
- Shipyard Support

## Marine Engineering Services:

Cargo Integrity Studies  
Motion Studies  
Seakeeping Studies  
Met-Ocean and Ice Data Analysis  
Towing Resistance Studies  
Seafastening Design  
Marine Warranty Surveyor Liaison  
Regulatory Assessment & Liaison  
Emergency Response Planning



## Naval Architecture & Marine Engineering

Shipping oversized, complex and valuable cargo by water comes with unique challenges and Jensen’s Subject Matter Experts (SMEs) know this better than anyone. Whether it’s transporting a land-based oil rig to its final location over water, or a simple towing resistance analysis, our experts provide customized solutions. We encourage you to utilize our SMEs throughout the project’s design life cycle as early engagement with Jensen can prevent costly changes from last-minute modifications to construction and/or cargo load-out plans.

## Experience

Jensen brings over 50 years of naval architecture and marine engineering experience to the job. Our diverse range of projects involves an equally wide range of clients, from major oil companies to small commercial operators, located throughout the world. Our parent company, Crowley Maritime Corporation, is renowned for the transportation of large, heavy cargo via ships and deck barges. Our association gives us the unique advantage of having direct involvement with operations and the resulting knowledge of what does and doesn’t work. This allows us to design solutions with the highest level of safety for both cargo and personnel. Jensen’s service offerings are highly customizable, allowing us to support projects anywhere in the world.



## Vessel Loading Management Experts in Vessel Design, Loading and Stability

## Cargo Loading Solutions

Jensen has decades of experience with vessel design and understands the loading capabilities of marine vessels. We provide comprehensive solutions for vessel load and cargo fastening plans, and utilize 3-D modeling and Finite Element Analysis (FEA) software to ensure the design and safety will exceed expectations, while helping to limit project costs.

## Project Management

We can provide on-site assistance for any loading or unloading operation, anywhere in the world. Working closely with our customers throughout the life cycle of the project, we support all decisions related to cargo movement on the marine vessels, to ensure a safe and successful outcome.

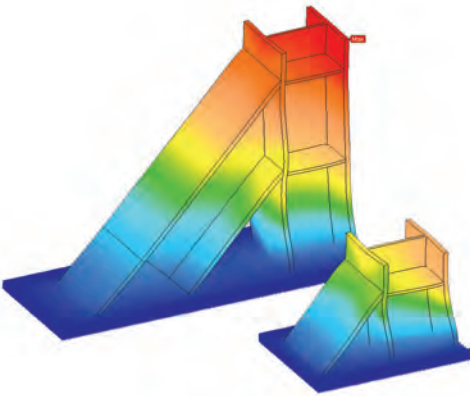


## Vessel Loading Services:

- Barge Stow Plans
- Mooring Plans
- Barge Strength Studies
- Local & Global Structural Analysis
- Stability & Hydrostatics Analysis
- Ballast Plans
- Seafastening Design
- Finite Element Analysis
- Load and Offload Calculations
- 3-D Load and Offload Renderings

## Jensen Heavy Sealift Transportation Engineering Customers

BP	Parker Drilling
Exxon	Fluor
Conoco Phillips	PND Engineers
ENI	Worley Parsons
Doyon Drilling	Heerema Group



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