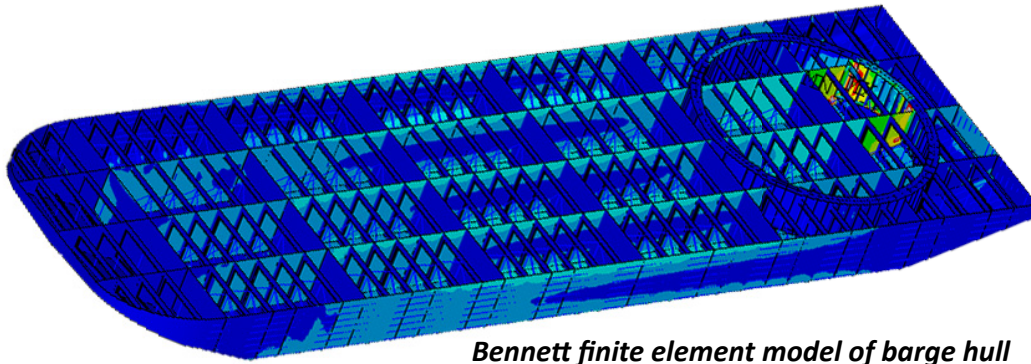


BENNETT BARGE DESIGN / ENGINEERING



Bennett finite element model of barge hull

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Barge Engineering

Bennett Offshore's engineers can assist in the design, construction, modification and repair of any type and size of barge. Our barge engineering services include:

Structural Engineering

- Newbuild design
- Modifications/repairs
- Longitudinal strength analysis
- Buckling analysis
- Rule-based scantlings
- Classification society approvals
- Finite element analysis
- Fatigue analysis
- Redundancy analysis
- Impact analysis
- Crane foundation design and analysis

On-site Services

- Deadweight surveys
- Incline tests
- Launch analysis
- Accident investigations
- Expert witness services
- Model testing
- Construction management
- Construction verification
- Offshore installation management

Naval Architecture

- Weight take-offs
- Lines plans
- Arrangements
- Launch plans
- Transit analysis
- Intact and damaged stability analyses
- Weight control and monitoring
- Heavy lift stability/drydock analysis including ballast procedures
- Submerged damaged stability analysis
- Probabilistic damaged stability analysis
- Single and multi-body frequency domain response analysis (RAOs)
- Accelerations at discreet locations
- Single and multi-body time domain simulation
- Marine operating manuals



Bennett provided stability analyses for Can Do barge

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