Mooring Analysis Software for Floating Vessels

ZenMoor is a Powerful State-of-the-Art, Windows-based program for the Mooring Design and Analysis of Semi-submersibles, FPSOs, Spars, Barges and other Floating Systems.

Now Available
3 Separate Options to Suit the Needs of the Users

- Static Analysis Only
- Static and Quasi-Static Analysis
- Static, Quasi-Static and Dynamic Analysis (frequency domain and time domain)

ZenMoor Analysis Types:
- Static
- Quasi-Static
- Dynamic (frequency and time domain)
- Fatigue
- Intact and Damaged Lines, and Line Breakage
- Compliance with API and DNV Requirements
- Multi-Component Mooring Lines, Clump Weights and Buoys
- Slope of Sea Floor is Permitted
- Synthetic Lines can be Defined
- Pre-set Mooring Can be Defined

Features
- Database of Chain, Wire and Anchor from Manufacturers
- Program Calculated Line Properties
- Low Frequency Wave and Wind Response
- Wave Frequency Vessel Response
- Mooring Line Dynamic Analysis in Frequency and Time Domain
- Fatigue Analysis of Mooring Lines
- Choice of Wave and Wind Spectra
- Computation of Environmental Forces from Wind, Wave and Current Data and Vessel Coefficients
- Vessel Offset Calculation due to Change in Environment or Line Lengths
- Line Payout Calculation for Vessel Relocation
- Computes Line Tensions and Factors of Safety, Line Angles, Line on Bottom, Anchor Distances and Anchor Loads
- Computation and Display of Transient Motion of the Vessel after Line Breakage
- Display of Pipelines in Line Spread and Line Profile
- Pipeline Clearance and Buoy Immersion Distances
- Accounts for the Presence of Thrusters

Invest in the Best

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