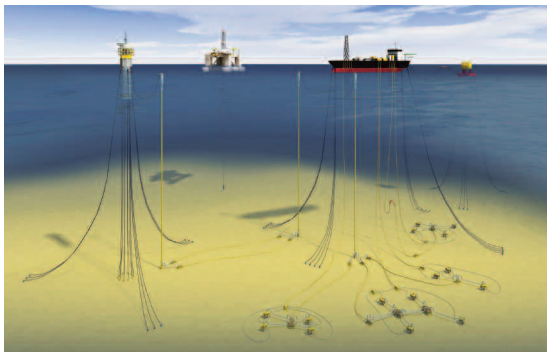




DeepRiser.

DeepRiser is an integrated software package developed specifically for the design and analysis of deepwater riser systems.

The program combines an intuitive Graphical User Interface, allowing rapid data specification, with powerful analytical capabilities, to provide a comprehensive engineering tool for the design and analysis of deepwater drilling, top-tensioned production and catenary riser systems.

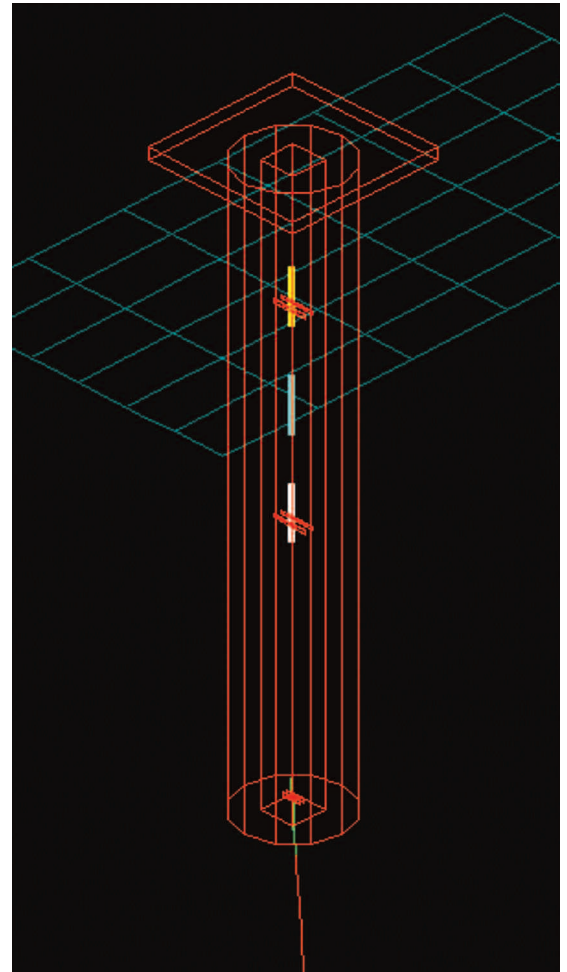


Key Features

- Integrated riser analysis package incorporating static, time domain dynamic, frequency domain dynamic and modal analysis capabilities
- Windows GUI for rapid data specification
- “Project Database” structure to avoid duplication and errors
- Drilling riser drift-off and weak-point analysis capability
- Drilling riser deployment analysis capability
- Wake-flow interference analysis incorporating Shear 7 interface for VIV analysis
- Time and frequency domain fatigue analysis capabilities
- Automatic finite element model generation and component modelling.

Applications

- Drilling Risers:
 - Static, time domain dynamic, frequency domain dynamic and modal analyses with Shear 7 interface
 - Drift-off/weak point and deployment analyses
 - Parameter study (top tension/offset/mud weight) analyses
 - Time and frequency domain fatigue analyses
- Top-Tensioned Production Risers and Catenary Risers:
 - Static, time domain dynamic, frequency domain dynamic and modal analyses with Shear 7 interface
 - Time and frequency domain fatigue analyses
 - Clearance/interference and wake flow analyses
 - Special features for spar riser modelling
- Engineering tool design philosophy and Windows user interface facilitates quick and easy familiarisation and use of program
- Productivity-enhancing features including highly automated analyses with multiple load cases and automatic results generation
- Models are defined in engineering rather than finite element terms
- Integrated software suite provides full range of analytical capabilities within a single riser analysis program.



Learn More

Contact the MCS Kenny Software Business Development team for more information on Deepriser and other industry leading solutions in the MCS Kenny advanced software range.

Email: software@mcskenny.com

MCS Kenny advanced software is designed to the highest development standards backed up by renowned global customer support services. MCS Kenny software delivers tangible efficiency benefits to hundreds of leading oil and gas industry customers around the world.

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