

SUMMARY OF QUALIFICATIONS
RAY JENKINS, P.E.

Ray Jenkins has extensive engineering experience with mechanical handling equipment for marine applications. His career includes 11 years designing various mechanical systems for U.S. Naval Submarines, 5 years designing winches, windlasses and drawworks, 5 years designing and commissioning mooring and riser installation systems, and 3 years designing and commissioning mechanical handling equipment for oil rig installations. His employers and clients include Newport News Shipbuilding, Skagit, Continental Emsco, National Oilwell, SOFEC, T&T Engineering and ConocoPhillips.

His experience ranges from conducting detailed design of mechanical equipment to managing teams of designers and engineers for multi-discipline engineering projects.

His background with mooring and riser installation systems includes:

- developing individual equipment specifications
- engineering special devices for mechanical handling
- designing entire mechanical handling systems required for mooring and riser pull-in and connection
- coordinating activities of project team members (equipment suppliers, internal team members, and customers)
- testing and commissioning of equipment
- installation of vessels to mooring system, and connection of risers

He had the responsibility for the engineering and design of the mooring and riser pull-in systems for a variety of projects including:

- Bohai Shi Ji FPSO Tower Yoke
- MV8 Langsa Venture FPSO Spread Mooring
- Cuulong MV9 FPSO External Turret
- Kome Kribi 1 FSO Tower Yoke
- MODEC Venture 11 FPSO Internal Disconnectable Turret

In all his areas of responsibility, Ray Jenkins utilizes his engineering knowledge and background to find creative solutions to customer needs in the most cost-effective manner, while meeting customer safety, performance and schedule requirements.