



ALPHA PETROLEUM SERVICES, LLC

◆ Experience ◆ Innovation ◆ Integrity

BRUCE G. MALCOLM

Mr. Malcolm is a Principal with Alpha Petroleum Services having over thirty-five years of experience with thirty years in the offshore oil and gas industry. His experience includes management, construction, technical operations, quality management, human resources, legal, marketing and financial supervision. He has managed projects including floating production vessel design, jack-up design, semi-submersible design, and numerous shipyard construction, repair and upgrade projects. A few highlights of Bruce's extensive experience include:

- Manager Marine Engineering, EDG, Inc., a consulting engineering company providing technical services to the offshore oil and gas industry. Principal designer of the Proteus, a deepwater, cost effective, triangular, column stabilized floating production vessel.
- President of Friede & Goldman, Ltd., New Orleans, Louisiana and Houston, Texas. Supervised a staff of technical personnel in the development of new designs to support the oil and gas business. Conceived the design of the Centurion MVP, a cost effective floating gas production facility for deep water. Developed a unique assembly method for the Millennium CS that allows major portions of a column stabilized unit to be constructed outside the Caspian Sea, shipped into and assembled in the Caspian Sea. Supervised the design of a high specification, low cost drill ship for exploration drilling. All projects included the development of shipyard construction specifications and shipyard bid quality drawings.
- Operations & Technical Director for Dolphin Drilling, Ltd., Aberdeen, Scotland. Responsible for operations, engineering, purchasing, IT and maintenance. Operations conducted in the UK sector of the North Sea and in Southeast Asia. Also implemented a Total Quality Safety Management (TQSM) program beginning at the end of 1993 that resulted in a reduction in lost time injuries. Approved annual budgets forecasting revenues, operating expenses and capital expenditures and monitored actual results monthly. Supervised preparation of shipyard specifications and design drawings for the upgrade of the Borgsten Dolphin semi-submersible.
- President of Transworld Drilling Companies, an operating subsidiary of Kerr McGee, with responsibility for domestic and international contract drilling operations, marketing, engineering and finance. Responsible for the profitable operation of a worldwide fleet of 18 offshore drilling units. Served as Engineering Manager several years prior to becoming President.

Prior to becoming an associate with Alpha Petroleum Services, Mr. Malcolm consulted directly to the international oil and gas industry offering management and engineering technical services and providing creative solutions for floating production systems for both shallow and deep-water locations. He graduated with a degree in B.Sc., Aerospace Engineering, University of Michigan and completed graduate work in Engineering Mechanics at the University of Missouri – Rolla.