

**Donald W. Johnson, P.E.**  
B.S. in Mechanical Engineering  
Texas A&M University, 1986

ETA International is an engineering company that combines personal experience and industry relationships to bring flexibility, innovation, and value to engineering projects worldwide. Following are some of the hose/flexible pipe projects Mr. Johnson has completed at ETA.

- Designed and analyzed offloading system components for FPSO systems
- Analyzed hose failures for operators like UNOCAL and ExxonMobil
- Provided SME for a flexible pipe end fitting replacement on the Jade Platform
- Analyzed the riser system for the Turkmenistan Block 1 EWT using OrcaFlex<sup>®</sup> and conducted the qualification test program for the riser
- Analyzed submarine hose systems for CALM buoy installations using OrcaFlex<sup>®</sup>

Prior to starting ETA, Mr. Johnson was the Engineering Manager for Manuli Oil & Marine. His responsibilities there included technical representation and oversight of the Marine Hose and Long-Length product lines. He was also responsible for claims evaluation and the research and development program for oil and marine products. As part of his responsibilities, Mr. Johnson spent 18 months at the Manuli hose factory in Italy where he headed the Oil and Marine Hose Technical Department.

Before joining Manuli, Mr. Johnson was a Senior Research Engineer for Southwest Research Institute. At SwRI he tested, analyzed, and fabricated offshore products and underwater equipment and systems for commercial and military clients.

Mr. Johnson has extensive experience with hose and flexible pipe. He has tested and analyzed steel and fabric reinforced hoses, marine hose for low temperature service, flexible pipe risers and flowlines, and high-pressure choke and kill lines. His experience includes:

- Offloading system design and analysis
- Specialized testing of prototype hoses and flexible pipe
- Failure analysis
- Service on the subcommittees and working groups for API RP17B, SPEC 16C, and SPEC 17K

**Professional Chronology:** McNeil Consumer Products Company, Project Engineer (cooperative education), 1985; Southwest Research Institute, Research Engineer (1987-93), Senior Research Engineer (1993-96); Manuli Oil & Marine, Engineering Manager, 1997-2001; ETA International, Principal Engineer, 2001-present.

**Patents/Publications:** Patent No. 5,954,095 and No. 5,920,976 - "Apparatus and Method for Remotely Sealing a Damaged Pipe"; Offshore Technology Conference, Paper 8241, "Deepwater Tests of Wet Matable Electrical and Hydraulic Connectors"; OMAE 2007 Paper No. 29578, "Hatch Seal Design Parameters for Manned Submersibles"; Underwater Intervention 2008, "A Compliant Yoke System for Hatches In Manned Submersibles."

**Memberships:** Registered Professional Engineer - Texas; American Society of Mechanical Engineers; Tau Beta Pi Engineering Honor Society.

**Personal Information:** Married 23 years; Father of four children; Member of Wayside Chapel Evangelical Free Church, Hobbies include hunting, golf, and music.