

WYATT TUBB, P.E.

Mr. Tubb is a registered professional engineer in the State of Texas with five years experience in mechanical design and fabrication. A former welder, machinist, and gunsmith, he creates simple and effective designs. He is proficient in SolidWorks, NE/Nastran, VA Structural, and OrcaFlex®.

EDUCATION

BS Mechanical Engineering Texas A&M University, 2008

EMPLOYMENT HISTORY

2009-Present: ETA International Inc., Mechanical Engineer

AFFILIATIONS

Registered Professional Engineer, Texas
American Society of Mechanical Engineers

PROJECT EXPERIENCE

Mr. Tubb's project experience includes the following categories.

Single Point Mooring Hose

OrcaFlex® analysis of subsea hose strings for CALM Buoy installations and floating hose strings for FPSO installations.

Flexible Fiber Reinforced Pipe

Design, fabrication, and operation of a High Strength Aramid Tape Test system capable of:

- 37,500 psi Pressure
- 10,000 lb Tension
- 260° F Temperature

Development of Data Acquisition, Pressure and Temperature Control Systems for long duration testing

Design, fabrication, and operation of pipe test systems capable of:

- 1.1 Million lb Tension
- 3.8 Million ft-lb Moment
- 25,000 psi Pressure

Fatigue design, and fabrication of a dynamic pipe test system capable of 100 Million Cycles:

- 455,000 lb Tension,
- 50,000 ft-lb Bending Moment
- 30 degree Bending Angle
- 10,0000 psi Pressure

Structural Design

Design and conducted NE/Nastran® analysis of structural steel frames and platforms.

Design and conducted NE/Nastran® analysis of Lifting Frames, Jib Beams, Tension and Compression Frames.

Working Knowledge of AWS D1.1 Structural Welding Code with a focus on Fatigue and NDT.

Prototype through Production Machine Design

Designed, solid modeled, and tested device for detecting leaks in offshore hoses.

Designed, solid modeled, and tested device for simulating tactical door breaching.

Designed, solid modeled, and tested machine for winding fiberglass test samples.

Designed, solid modeled, and tested a 2 stage rifle trigger for military and commercial sales, with a focus on cost efficient manufacturing.