

# Oil & Gas Technology Group

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Oil & Gas

Technology Group

"Recruiting Top Talent for  
The Upstream Oil & Gas Industry"

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<b>Position Title:</b>	<b>Structural Engineer</b>
<b>Salary Range:</b>	\$115K / Based on Experience
<b>Classification (Full Time or Contract)</b>	Full Time / US Citizens / US Green Card only
<b>Location:</b>	Houston, TX
<b>Education Requirements:</b>	Bachelor's degree in Engineering
<b>Experience Level:</b>	10 – 15 years years relevant experience in specialized area or product line(s) or Master's degree plus five to seven years' experience. PhD with one to two years.

## **Job Description:**

International Company is a general contractor specializing in engineering, procurement, construction and installation of floating production systems including Floating Production Storage and Offloading (FPSO) vessels, Floating Storage and Offloading (FSO) vessels, Tension Leg Platforms (TLPs), Production Semi-Submersibles, Mobile Offshore Production Units (MOPUs) and other new technologies which will meet the challenges of various types of gas production floaters.

## **DESCRIPTION:**

- Applies expert product knowledge and seasoned experience to broad and complex subject matter where issues and factors to be considered are largely undefined, characterized by unusual demands and require extensive analysis to determine the

nature and scope of the problem. Regularly functions as a technical leader or significant contributor to major complex problems and/or projects.

- Creates drawings, specifications, etc. of new technology or applications and ensures that assignments meet standards and performance requirements within area of expertise.
- Provides high level technical interface between customer, engineering and sub-contractors to determine root-cause of problems and to develop effective solutions. Provides thorough investigation for project requirements including safety and environmental compliance issues and technical review of equipment, instrumentation and material needs.
- Uses the CAD/CAM and database systems and facilities to make layouts, analyze designs, evaluate equipment systems and generate new equipment designs.
- Creates and prepares documentation, information, communications and engineering specifications and ensures conformance to all policies and procedures related to engineering functions, labor reporting and systems reporting. Supports proposal efforts when needed.
- Tests and evaluates prototypes and models to determine design limits and needed improvements. Prepares test reports and closure reports on assignments.
- Develops reports, correspondence, procedures, specifications and technical calculations. Prepares technical data and papers for sales personnel, customers and publications using good internal presentation and report writing skills.
- Assists with project cost estimates as needed.

## REQUIREMENTS:

- Specialist knowledge of at least one company or related product line or significant knowledge of multiple technologies, products and applications. Working knowledge of competing and alternative technologies.
- Demonstrated ability to apply advanced laws, principles, theorems and mathematics in the improvement and development of new technologies.
- Demonstrates ability to develop unique solutions for complex technical problems that include the design of new systems or development of solutions having few or no precedents.
- Demonstrates a solid understanding of internal economic factors (cost, margins, profit impact of decisions) affecting assigned areas.
- Must be proficient in use of CAD and Database systems related to Engineering functions.
- Demonstrates good organization and project planning skills.
- Consistently demonstrates leadership ability. Demonstrates proficiency in mentoring, thinking creatively and project planning.
- Demonstrated effective customer presentation skills and technical publication skills.

Education Requirements:

Bachelor's degree in Engineering

Experience Level:

10 – 15 years years relevant experience in specialized area or product line(s) or  
Master's degree plus five to seven years' experience. PhD with one to two years