



JOB DESCRIPTION

Position Title:	Production Systems Engineer	Position Type:	Exempt
Department/Group:	Engineering	Location:	Dallas, US
Reports To:	VP, Facilities	Direct Reports:	N/A

Company Description

Kosmos Energy is a well-capitalized, pure play deep-water oil and gas company with growing production, a pipeline of development opportunities, and a balanced exploration portfolio along the Atlantic Margins.

Our key assets include production offshore Ghana, Equatorial Guinea and U.S. Gulf of Mexico, as well as a world-class gas development offshore Mauritania and Senegal. We also maintain a sustainable proven basin exploration program in Equatorial Guinea, Ghana and U.S. Gulf of Mexico. Kosmos is listed on the New York Stock Exchange and London Stock Exchange and is traded under the ticker symbol KOS.

As an ethical and transparent company, Kosmos is committed to doing things the right way. The company's Business Principles articulate our commitment to transparency, ethics, human rights, safety, and the environment. Read more about this commitment in our Corporate Responsibility Report. For additional information, visit www.kosmosenergy.com.

Basic Function

The Production Systems Engineer will be a member of the Facilities Engineering Team and will be based in Dallas. This team provides comprehensive value chain engineering expertise to support our joint venture partnerships in Ghana, Equatorial Guinea, Mauritania & Senegal and to our operations in the Gulf of Mexico.

The Production Systems Engineer must be able to work effectively and collaboratively with our remote operating partners and with our US/UK operations, to provide ongoing independence assurance and constructive challenge, together with leadership of major intervention or strategic activities as required.

The successful candidate will display ingenuity and a flair for delivery of elegant solutions to engineering problems, including activities to assist with our corporate agenda to reduce emissions and deliver cleaner energy.

Essential Responsibilities and Job Duties

- Provide production systems engineering subject matter expertise and challenge to Operations and Projects for both operated and non-operated assets.
- Lead flow assurance, hydrate remediation and fluids management-related interventions across subsea and facilities production systems, and support failure and incident investigations as required.
- Identify value chain choke performance concerns/vulnerabilities and determine root causes. Develop recommendations to eliminate defects in new designs and existing systems to minimize production loss.
- Participate in gate reviews, peer assists, risk assessments and hazard analysis (e.g. HAZID, HAZOP, PHA) as required. Areas of responsibility to include heat & mass balance, equipment sizing, hydraulic performance, flow assurance, slugging assessment, chemical management, and production optimization.
- Support the development of fit-for-purpose Standards and Procedures for engineering and risk management to deliver the required integrity and operational performance of production systems.
- Provide technical input and guidance to Projects including design and construction engineering for production systems and procurement of equipment, for both operated and non-operated facilities.
- Provide expertise and timely assistance with facilities start-up, operations, re-start and turnarounds from a production systems engineering perspective.
- Provide subject matter expertise to facilitate an independent view of emerging risk characterization and development of action plans.
- Provide production systems engineering expertise to due diligence efforts for potential Merger and Acquisition opportunities.
- Handle other projects, duties and responsibilities as assigned.

JOB DESCRIPTION

Qualifications and Education Requirements

- Minimum Bachelor’s degree in Process/Pipeline Engineering or an appropriate Engineering discipline preferably with Petroleum Engineering certification.
- Proven track record of global Oil & Gas experience covering production systems engineering in both operations and development project environments.
- Deep experience in pipeline, subsea and topsides systems operations, flow assurance and design. Knowledge of floating production systems and risers is preferable.
- Working knowledge and demonstrable application of applicable international codes and standards (e.g. ASME, ANSI, ISO).
- Knowledge of pipeline and subsea production system threats and an ability to assimilate and analyze data and provide risk assessments with recommendations for action.
- Experience as an informed buyer of advanced numerical analysis (FEA, CFD) relevant to production systems would be an advantage.
- Strong knowledge of simulation software (e.g. HYSYS, ASPEN) is preferred.
- Experienced in operations and project start up, execution and close out of large-scale projects.
- Minimum 20 years in an Engineering or E&P company.
- Experience in West Africa operations is considered preferable.
- Must be able to travel both domestically and internationally.
- Must maintain a current BOSIET/HUET Certificate and Oil & Gas UK Medical Certificate.

Attributes

- Strong leadership, influencing and communication skills.
- Proven ability to prioritize and direct complex activities.
- Must be able to work with diverse employees, partners and governments from all parts of the world.
- Has little need for close management supervision/direction and is comfortable and effective in an informal operating environment.
- Demonstrates an understanding of engineering risk and the ability to make informed judgments in support of business value
- Proven ability to lead collaboration across teams and generate solutions.
- Exceptional productivity skills. Can be relied on to get the job done accurately and on time.
- Must be an energetic self-starter with a passion for their work. An engaged, “hands on” team player.
- Ability to handle and protect sensitive information in a confidential and professional manner.
- Advanced written and verbal communication skills, with the ability to partner effectively with all levels of staff.

Travel Requirements

Position requires approximately 20% travel, domestic and international.

Approved By:	Julian Austin	Date:	Feb 2023
Last Updated By:	Ian Pannett	Date/Time:	