



Mechanical Oil & Gas Engineer

LOCATION Tinton Falls, NJ

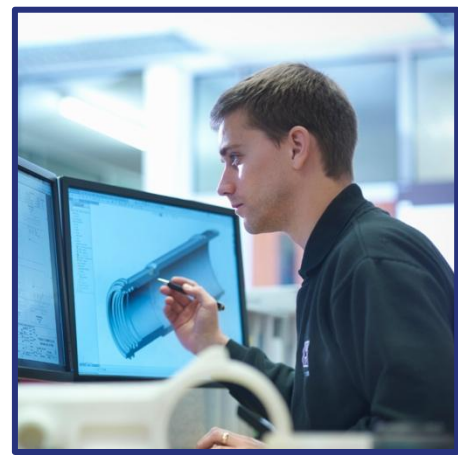
POSITION SUMMARY

Design engineer for mechanical equipment and piping in the utility and industrial sectors. The candidate has a Bachelor's degree in Civil or Mechanical Engineering and has experience in natural gas systems engineering and operations. Types of projects include, but are not limited to, meter and regulator station and facility design, process piping, system improvements, pressure upgrades, new service main or pipeline extensions, odorization and pipe conditioning, and much more. The candidate will be assigned to a home office and have the ability to work at remote jobsites for project assignments

Responsibilities:

Review civil, mechanical, instrumentation, or electrical plans and specifications along with site survey information.

- Sizing and selection of pipe, components, and appurtenances for project specific requirements.
- Equipment selection and specification for gas system components such as piping, control valves, regulators, isolation valves, strainers, filters, pressure/temperature/flow instrumentation, vessels, heaters, compressors.
- Equipment selection and specification for mechanical system components such as piping, valves pumps, fans, blowers, tanks, vessels, heat exchangers, instrumentation, etc..
- Design coordination with the client, vendors, and Kiely inter-disciplines between the mechanical, electrical, and civil/structural work.
- Sizing and performance calculations.
- Assists with project plans and reports and other technical documentation



Competencies

- Bachelor's degree in an engineering field, preferably Mechanical or Civil.
- Working knowledge of piping codes and regulations including ASME B31 family of codes and 49 CFR 192/195 federal regulations.
- Ability to work independently advancing from working with assistance to working with minimal supervision and limited job definition
- High degree of initiative and independent judgment on making technical decisions
- Strong analytical and problem-solving abilities
- Ability to organize work, engage in a variety of tasks simultaneously and consistently meet deadlines
- Able to communicate clearly in writing and explain work
- Computer skills: Must be computer-literate in word processing, spreadsheet, and database applications as well as CAD and GIS software and applications.



Work Environment

This job operates in a professional office environment. This role routinely uses standard office equipment such as computers, phones, photocopiers, filing cabinets and fax machines. This job also requires engineering type duties at job sites.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. While performing the duties of this job, the employee is regularly required to talk or hear. The employee is frequently required to stand; walk; use hands to finger, handle or feel; and reach with hands and arms. The employee is occasionally required to sit, climb, balance, stoop, kneel, crouch or crawl. The employee must frequently lift and move up to 10 pounds and occasionally lift and move objects up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

Must be physically capable to conduct field inspections and participate in project walkdowns which require the following activities: extensive walking in and around a construction site and/or an industrial facility, climbing ladders, climbing scaffolding, walking on elevated platforms, walking on uneven surfaces, climbing in very small and/or confined spaces, and occasionally lift and move objects up to 50 pounds.

Supervisory Responsibility

This position has minimal no supervisory responsibilities.

Position Type/Expected Hours of Work

- Typically, Mon-Fri 8 am to 5 pm and as required to meet project deadlines

Travel

- Expected amount of field work will vary based on client needs and project assignments and would be approximately 10-25%.

Required Education and Experience

- Bachelor's Degree in Mechanical or Civil Engineering
- Entry Level: 0-4 years of experience
- Senior Level: 15+ years of experience

Preferred Education and Experience

- 5 – 15 years of experience.

Additional Eligibility Qualifications

EIT / PE license is preferred.

Other Duties

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities, and activities may change at any time with or without notice.

