



Job Title: Senior Process Engineer
Reports to: Director of Engineering or Equivalent
Supports: General Managers for All Plants
Locations: Operations NW Indiana
Compensation: Competitive salary plus bonus potential

Primary Energy Overview

Primary Energy is an independent, privately held industrial energy provider of electricity, steam, and hot water that focuses on building, owning and operating inside-the-fence industrial energy facilities under long term contracts. Our expertise is the effective utilization of byproduct fuels that would otherwise be flared, capturing waste heat and converting it into useful thermal products and creating ultrahigh efficiency combined heat and power facilities. Thoughtfully conceived industrial energy projects enhance the long term financial health of our host facilities, provides sustainable, reliable, low cost energy. Our goal is to be the lowest cost, highest value 3rd party energy provider for the industrial energy market place while making a reasonable return on our investment.

Job Summary

As a shared technical resource for the operating plants, the Senior Process Engineer has two roles. First responsibility is the development and support of performance analysis tools to monitor and achieve best possible operation and reliability at all Primary Energy facilities. A key goal is to put these tools into the hands of the Operating staff. In this role, the Senior Process Engineer is responsible for the plants' data historian. Secondly, the Senior Process engineer is accountable for, or involved with, technical activities and process modeling at all facilities. He is a default technical lead on projects including; project development, enhancements, and acquisitions. He provides technical support for all General Managers. As part of these duties, the Senior Process Engineer may also be called to technically support new business development projects. Project-related activities for the Senior Process Engineer may include execution of design feasibility studies or oversight of these studies by third-party engineers, completion of conceptual planning, and/or project execution. For assigned projects, the Senior Process Engineer may sometimes also be responsible for oversight of cost and schedule performance. The Senior Process Engineer may also act as technical engineering and/or project support for an Area Manager.

Education and skills required are:

- Degreed in an appropriate Engineering Discipline (ME, ChemE, or EE preferred).
- Solid fundamental understanding of industrial plant processes and equipment, preferably related to power generation.
- Ability to conduct and drive root cause analysis. The Engineer should also be able to drive practical implementation of RCA recommendations accordingly.
- Understanding and exposure to industrial safety regulations and programs.
- Familiarity with gas turbines and steam turbines is preferred in order to understand and assess issues and assist with diagnosing operational issues and/or development of overhaul plans.
- Understanding of environmental control equipment and compliance programs is preferred.
- 10+ years industry experience with exposure to operations and maintenance, with experience in the power industry preferred.



- 5+ years in one or more of the following: steam turbines and/or steam systems, dry scrubbers, and/or water treatment systems.
- Experience working with equipment and/or installation vendors for development of proposals and project costs.
- Strong to excellent Excel capabilities including development and use of macro scripting.
- Knowledge and experience with plant historian use (Wonderware eDNA preferred).
- Knowledge and capabilities with system-level modeling software such as GTPro, Thermoflow, GateCycle or similar is desired but not a requirement.

Job responsibilities will include:

- Complete daily, weekly, and monthly performance summaries and reports for each plant, as assigned in coordination with each plant General Manager.
- Ensure the delivery of accurate and reliable operational information to support business daily operations, strategic decisions, regulatory filings, and conformance budgets.
- Assist in calculating each facility's deviation from anticipated performance, determine cause of shortfalls and develop remediation plans to return plant to expected performance.
- Develop, implement, and distribute tools to plant teams that allow them to easily access data to assess performance and operation.
- Maintain and develop the company's operational data historian systems and tools for each plant to access and analyze current and historical operational process data.
- Technically lead key development, enhancement and acquisition projects – focus on improving and optimizing plant performance.
- Complete, assist with, or oversee, feasibility and assessment studies, including those which may be performed by third party engineering or consulting groups.
- Perform energy balance calculations, conceptual designs and project cost estimates and other supporting analysis to support development and successful implementation of Primary Energy's projects.
- Coordinate detailed phases of engineering, procurement, construction, testing and commissioning work for various projects, as assigned. Some project activities may be independent, some may support plant O&M Managers or Area Managers.
- Develop and maintain project budgets and schedules, as appropriate per project duties.
- Seek practical and innovative ways to maintain budgets, minimize costs, and improve plant spending while achieving operational goals.
- Other projects and responsibilities may be added at the company's discretion.

The Senior Project Engineer will:

- Work as a team player, and foster a team environment with peers, contractors, and clients.
- Directly support all General Managers on technical tasks and process analysis.
- Work closely with and support all Plant operating and project teams.
- Develop and nurture a high performance, high discipline team that is safe, accountable, focused, innovative and achievement-oriented:
 1. Embody, practice and commit to the vision, mission and values of Primary Energy.
 2. Continually search for improvements in Facility processes (i.e. increasing stakeholder value).
 3. Optimize the performance of each Facility (i.e. environmental compliance, profitability, efficiency, availability, capacity factor).
 4. Improve the resource utilization through predictive and preventative maintenance programs.