



Job Title: Plant Engineer
Reports to: VP of Operations
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, hot water and chilled 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 mills, provide highly reliable, sustainable, 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

The Plant Engineer assists in developing studies, plans, criteria, specifications, calculations, evaluations, performance assessments, cost estimates and budgets, associated with the design, operation, and maintenance of Primary Energy plants.

Education and Skills

- 3+ years in power industry experience with exposure to operations and maintenance
- Degree in Engineering Discipline (ME, ChemE, or EE preferred)
- Solid fundamental understanding of thermodynamics as it pertains to steam plant processes and equipment.
- Familiarity with gas turbines and steam turbines to permit rapid understanding and assessment of issues and assist with diagnosing operational issues and/or development of overhaul plans.
- Understanding of high pressure power boilers, dry scrubbers and high purity water treatment systems.
- Understanding of environmental control equipment and compliance programs.
- Understanding and exposure to industrial safety regulations and programs.
- Ability to conduct and drive root cause analysis. The Engineer should also be able to drive practical implementation of RCA recommendations accordingly.
- Knowledge and capabilities with system-level modeling software such as GTPro, Thermoflow, or GateCycle
- Strong Excel capabilities including development and use of macro scripting and look up tables.
- Knowledge and experience with plant historian use (Aveva eDNA preferred)



Job Responsibilities

- Embody, practice and commit to the vision, mission and values of Primary Energy.
- Work as a team player, and foster a team environment with peers, contractors, and clients.
- As a team member, continually search for improvements in Facility processes (i.e. increasing stakeholder value).
- Optimize the performance of each Facility (i.e. profitability, efficiency, availability, capacity factor).
- Perform energy balance calculation, conceptual designs and project cost estimates and other supporting analysis to support development and successful implementation of Primary Energy's projects.
- Ensure the delivery of accurate and reliable operational information to support business strategic decisions, regulatory filings and conformance to approved budget.
- Seek practical and innovative ways to maintain budgets, minimize costs, and improve plant spending while achieving operational goals.
- Coordinate detailed phases of engineering, procurement, construction, testing and commissioning work for various performance, environmental, or efficiency improvement projects.
- Prepare project budgets and financial, operational, safety and environmental justifications to seek management and owner approvals for implementation.
- Prepare analysis, designs and execution plans of all assigned projects.
- Complete, or oversee, feasibility and assessment studies, development support and planning for project execution.
- Update plant drawings, incorporating "Red Line" or marked up drawings into existing plant CAD files.
- Coordinate assignments with 3rd party contractors and facility planners.
- Other projects and responsibilities may be added at the company's discretion.