Job #: 1894

Job Title: Production Engineer

Job Description: Our Client in the Houston, TX area is looking for a Production Engineer.

POSITION SUMMARY: This position provides technical engineering support to daily production operations. This position is cross functional covering technical engineering support of plant operations and coordinating the transition/scale-up of newly developed products into plant production. This position acts as backup supervisor to the plant during the Operations Manager’s absence and participates in Process Safety Management (PSM) activities.

Department: Operations

ESSENTIAL DUTIES:
1. Provides technical engineering support to assist with the daily production operations of the Bayport facility.
   - Gathers data and monitors daily performance of batch and continuous chemical manufacturing processes using Statistical Process Control tools as necessary to determine degree of control of process variables.
   - analyzes data to troubleshoot problems with the chemical manufacturing processes.
   - Collects, records, and reports on production data by campaign including post production run evaluations and monthly operating reports.
   - Helps prepare daily action plans through direction and team planning with the Operations Manager.
   - Updates operating manuals, process changes, and project status reports as required.
   - Troubleshoots problems with batch and continuous chemical manufacturing processes.
   - Leads production problem solving teams as required.
   - Plans and conducts plant trials for the purpose of obtaining information useful for increasing production rates and/or improving quality and yield.
   - Evaluates production equipment and processes to identify ways to optimize performance while ensuring compliance with safety and environment regulations.
   - Educates and coaches operations personnel and new employees in operating techniques to improve their understanding of the process.

2. Coordinates the transition/scale-up of new development projects into plant production.
   - Assists with translating lab and pilot-scale run data into process operating procedures.
   - Helps to write detailed process operating procedures for plant operations.
   - Assists in the planning and execution of new projects and plant trials as required.
3. Acts as backup technical support during the Operations Manager’s absences.

   - Completes redline updates on Piping and Instrument Diagrams (P&ID).
   - Completes Pre Startup Safety Reviews (PSSR).
   - Updates Process Safety Information (PSI) records.
   - Participates on HAZOP teams

NONESSENTIAL DUTIES:
1. Completes other assignments and projects to meet business needs.

BUSINESS CONTACTS:
**Internal:**
   a) Frequent daily contact with Operations Manager to set priorities, resolve problems, and schedule medium to long-term work.
   b) Frequent daily contact with Shift Supervisors to assist with daily plant activities.
   c) Frequent daily contact with Process Technicians to facilitate and conduct training, obtain data, and to ensure a safe work environment in the operating facility.
   d) Regular contact with Technical Manager as needed for technical assistance with process issues.
   e) Regular contact with V.P., Operations for technical assistance with process issues.
   f) Moderate contact with Maintenance Engineering Manager to ensure mechanical reliability of plant equipment.

**External:**
   a) Occasional contact with customers and consultants.

SUPERVISORY RESPONSIBILITY
None

MINIMUM QUALIFICATIONS (Experience, Education, and Special Certifications.)
1. Bachelor’s degree in Chemical Engineering.
2. Seven years’ experience in a batch and continuous petrochemical manufacturing facility.
3. Good understanding of process optimization in petrochemical plants.
4. Experience analyzing and troubleshooting batch and continuous process production issues.
5. Proficient with computer software applications, preferably Microsoft Office Suite, ChemCAD (or similar) simulation software.
6. Prior experience supervising and/or leading groups preferred.

KNOWLEDGE, SKILLS AND ABILITIES
1. Knowledge of batch and continuous petrochemical production processes.
2. Knowledge of safety and environmental standards related to petrochemical production.
3. General knowledge of process optimization in a petrochemical production facility.
4. Strong and through troubleshooting, problem solving and analytical skills.
5. Ability to work well under pressure and execute competing demands effectively in a fast-paced work environment.
6. Ability to follow up and follow through with assigned work tasks on a timely basis.
7. Ability to interact effectively and professionally with all levels of employees and external vendors.
8. Ability to identify complex problems, review related information, evaluate options, and implement solutions timely.
9. Ability to take the initiative to carry out assigned duties with general direction.
10. Ability to articulate ideas and information verbally and in writing in a clear, concise, and professional manner.
11. Effective organizational skills.

PHYSICAL DEMANDS
The physical demands described here are representative of those that must be met by an employee to successfully perform the essential duties of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions of this job. While performing the duties of this position, the employee is required to stand; walk; sit; reaches with hands and arms; climbs stairs; balance; and stoop, kneel, crouch, or crawl; and talk, hear, and smell. The employee frequently is required to sit and use a computer keyboard, monitor, mouse, and telephone. The employee may be required to lift and/or move up to 50 pounds. Specific vision abilities required for this position include close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus.

WORK ENVIRONMENT
The work environment characteristics described here are representative of those an employee encounters while performing the essential duties of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions. The employee works in a chemical manufacturing production facility. The physical work environment requires the employee to work both inside and outside in heat/cold, wet/humid, and dry/arid conditions. The employee is required to wear personal protective equipment and safety gear as required. The noise level in the work environment is occasionally loud with equipment running.

SAFETY, HEALTH, AND ENVIRONMENTAL (S.H.E) PERFORMANCE
1. Demonstrates responsibility and accountability for personal safety and the safety of others.
2. Participates actively in the enhancement of safety and health programs and improves the environmental performance of our products and processes as required such as participating in hazard review; S.H.E training and safety meetings; consider environmental impact of our products and processes, and complies with applicable S.H.E. policies and procedures.
3. Understands the elements of safety requirements, Process Safety Management, and Responsible Care aspects that are pertinent to employee’s job (e.g. aware of the Responsible Care Guiding Principles and applicable Codes of Management Practice).
4. Supports the continuous improvement of responsible chemical management such as handling, storing, and disposing of chemicals safely and reporting any accidents and/or incidents.

CONFIDENTIAL AND PROPRIETARY INFORMATION
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Work Schedule: M-F; Days, but must be flexible to meet work demands

Type of Assignment: Direct Hire

Salary: Commensurate with Experience (Please include salary requirements with resume)

Type of Company: Chemical Industry