



**The Combustion Institute**

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## **Senior Process Engineer – Monolith, Hallam, NE, United States**

**Monolith**, headquartered in Lincoln, NE, is excited to announce its search for a **Senior Process Engineer**.

At Monolith we apply scientific principles, engineering practices and a lot of hard work to solve real problems that have a global impact. We use sophisticated analysis methods, advanced manufacturing techniques, and often even our hands to build first of its kind technologies. We do not compromise on safety, quality, or performance. If you want to solve tough problems, build real things, and have a big impact then you should join us.

### **Your Role:**

The **Senior Process Engineer** is responsible for the development and optimization of Monolith's carbon black manufacturing process. They serve as technical lead for monitoring and improving plant operations to reduce process upsets and achieve the business goals of the company. They work on all stages of the process, from research and development to design and manufacture, through to installation and final commissioning.

### **You Will:**

- Mentor / coach process engineers on processes and systems to monitor operating systems and support operating shifts.
- Develop operating strategies for area of plant this is owned by senior process engineer.
- Establish sustainable systems and facilitate training with operating capability to ensure knowledge transfer is complete.
- Support new engineer hiring, and on-boarding processes to develop the best process engineering team for Monolith.
- Cross train to fill leadership roles when vacancies or absences occur to support plant operational needs.
- Collect data required to make improvements and/or modifications
- Purchase and oversee equipment installation
- Supervise plant operations
- Investigate and troubleshoot plant/process problems
- Coordinate with installation/project engineers and specialists
- Coordinate with production, maintenance, logistics, R&D and other parts of the company
- Ensure safe working conditions and compliance with health and safety legislation
- Analyze data and presenting findings in written reports
- Interface with clients, suppliers, contractors, and relevant authorities
- Understand and ensure compliance with relevant health and safety regulations
- Develop and maintain P&ID's, PFD's, SOP's, and other operations related documents

- Performs other duties as needed.

**You Are:**

- Able to multitask in a fast-paced environment with competing deadlines
- An adept problem solver; able to troubleshoot equipment problems under pressure
- An effective communicator both verbally and in writing
- Organized: Ability to intelligently categorize information in a method that is intuitive to others
- Reliable: Consistent delivery on timelines
- Cogent: Efficiently explain research to the other members of the team
- Coachable: Willing to accept feedback and learn from experience
- Resilient: Perform well under pressure with a low ego that thrives on the team's success
- Inquisitive: Willingness and desire to learn
- Creative: Problem solver who challenges previous assumptions and methods to continuously improve and solve challenges; relentlessly pursues a better solution
- Adaptable: Demonstrated agility to adapt and change in a dynamic and evolving environment with grit, passion, and perseverance

**You Have:**

- Bachelor of Science in Chemical Engineering from an accredited university and At least five years of experience in plant operations, or
- An equivalent combination of education and experience to successfully perform the job duties and responsibilities.
- A strong safety track record.
- Experience with the following equipment: Pumps, Heat Exchangers, Blowers, Fans, Air Compressors, Bag Filters, Boilers, Tanks, Vessels (pressure and non-pressure), Bucket Elevators, Screw Conveyors, Dryers, Transmitters (temperature, flow, pressure), Load Cells, Mass flow meters, Classifiers, Grinders, other common chemical and petrochemical equipment
- Applications engineering or DCS experience preferred.
- Process Design experience
- Process / Advanced controls strongly preferred
- Process safety experience strongly preferred
- Strong understanding of plant operations (chemical processing, oil & gas, or solids handling experience preferred)
- Advanced computer skills, MS Office (including Project and Visio), Python, Chemical Process Simulation Software, AutoCAD
- Plant monitoring data systems and analysis tools (e.g., PI, JMP, SEEQ)
- Proven leadership skills (teamwork environment, takes direction)
- Strong time management skills
- Commitment to our values
  - Safety matters most
  - Solve the impossible, embrace reality
  - People make the difference
  - Think like a team
  - Decisions drive results
  - Generosity of spirit
  - Enjoy the ride

**Your Environment:**

Minimal travel required. Work will be performed within an outdoor operating plant environment. The majority of time will be spent within the control room or management office, but time working within the plant will also be required.

**How to Apply:**

You can apply for this position [here](#).

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