

An excellent career opportunity is currently available for a **Process Development Specialist within the Hydroprocessing and Heavy Oil Development Group**. This group plays a leading role in development of new and improvement of existing hydroprocessing, heavy oil and alternative energy technologies for licensees, including process, catalyst, and equipment technology.

This position affords a unique opportunity to apply a knowledge of refining chemistry and engineering technology to the conversion of hydrocarbon feed stocks to clean transportation fuels, as well as support the development of new hydroprocessing and catalyst technologies. The role will actively partner with other Senior Refining Technologists in the development of new projects and take a leading role in projects that are selected. The position will also periodically support marketing efforts by business units by providing technical support including customer demonstration testing, writing technical papers, developing yield estimates and performing economic analyses.

The company is a global leader in providing customers with high-performance specialty materials, including fluorine products; specialty films and additives; advanced fibers and composites; intermediates; specialty chemicals; electronic materials and chemicals; and technologies and materials for petroleum refining.

The company is a leading international supplier and licensor of process technology, catalysts, adsorbents, process plants, and consulting services to the petroleum refining, petrochemical, and gas processing industries

Position responsibilities:

- Provide technical support in Hydroprocessing and heavy oil technologies in Development, including hydroprocessing and heavy oil experiments performed in the pilot plants and other new technologies that are presently in early stages of development.
- Interface with other departments including Pilot Plants, Analytical, and Advanced Characterization to design and interpret robust experiments and to diagnose problems.
- Lead or contribute as a member of new technology delivery teams for internal development projects and collaborations with external companies. These projects are of varied complexity, including continuous improvement of knowledge base on the fundamentals of hydroprocessing and heavy oil technology such as process configuration, reactor internals design, catalyst formulation, and reaction kinetics.
- Plan, champion and deliver assigned programs on budget, on time and within the constraints of agreed scope and resources.
- Document work output.
- Act as a technical contact for hydroprocessing and heavy oil technology marketing and sales personnel.
- Provide commercial sales support for customer presentations, design and operating requirements, and technical papers.
- Evaluate and integrate developments in other technology areas for applications in hydroprocessing.
- Evaluate technical feasibility of proposed projects and providing recommendations for future projects in assigned technology areas.

Basic Candidate Requirements:

- BS in Chemical Engineering, together with a minimum of 5 years post graduate process development experience in support of the commercialization of new types of refining process technologies is required.
- Or an MS or PhD in Chemical Engineering, together with a minimum of 1 years post graduate process development experience in support of the commercialization of new types of refining process technologies is required.

Additional Candidate Qualifications:

- Design or operations experience in hydroprocessing technology is highly desired.
- Experience in general refinery processing technology is desired.
- Experience in petroleum characterization and residual fuels is a plus.
- Experience in hydroprocessing catalyst or process development is highly desirable.
- Strong interest in R&D work.
- Excellent oral and written communications skills.
- Demonstrated leadership ability and project management is important.
- Ability to travel 10% annually domestically and overseas, as needed.

The company offers a team oriented environment along with exciting career opportunities and a highly competitive compensation and benefits package.

As an Equal Opportunity Employer the company is committed to a diverse workforce.

Regards, Joe

Joseph C. Pettorino
Managing Director

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