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## Role Specification

Job title: Process & Systems Engineer

Department: Engineering

Location: Houston, Texas, USA

Date: October 2022

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## The role within the Company

Velocys continues to build upon its project delivery capabilities and is now seeking a talented individual to join the engineering division in this newly created role to provide critical process technology engineering and technical support for the completion of the Process Design Package (PDP).

The role is a 'hands on' position, requiring the role holder to fully immerse themselves into all aspects of PDP. The position calls for the provision of succession capacity to the existing process team, together with supporting the front-end engineering definition (FEED) and other related project delivery activities within the portfolio.

Regularly working on multiple projects simultaneously, the successful candidate will possess demonstrable experience of supporting PDP development, pilot plant design and fabrication, together with ongoing front-end project development, to include the transitioning tasks related to FEED and EPC. Furthermore, you will be able to interpret internal and external client objectives and goals with the ability to implement the objectives in a cost effective and timely manner.

## Responsibilities

- Support PDP development, pilot plant design and fabrication, and ongoing front end project development; transitioning work into Front End Engineering Definition (FEED) and EPC.
- Generate, calculate, and correlate data to assist process and project engineers in performing required engineering functions
- Develop PDP Process deliverables in support of the Process Design Basis and Process Design Criteria
- Maintain awareness of cost impacts related to process design and take appropriate action
- Understand internal and external client objectives and goals and implement these objectives and goals in all aspects of work
- Routinely work on multiple projects simultaneously
- Contact and consult with other engineering disciplines within the Company in addition to process engineers and supervisors
- Perform basic process engineering assignments, under the guidance of process of engineering management, to include, but not limited to the following
  - Design process equipment such as pumps, tanks, vessels
  - Conduct hydraulic studies
  - Develop process control narratives
  - Create new and updated PFDs and P&IDs
  - Other duties as assigned

## Organisational interactions

- Immediate supervisor title: Vice President, Engineering
- Next level supervisor title: Senior Vice President, New Business and Project Delivery
- Collaboration with other individuals and groups: Velocys Process Engineering Group and Cataysis Technolgy Group. Third Party Vendors and Suppliers.

## Education and experience

- Accredited Degree in Chemical Engineering
- Engineer in Training Status or Professional Licence preferred
- Robust demonstrable experience of task related technical knowledge
- Strong attention to detail with ability to multi-task and deliver to deadlines
- Effective communicator with the ability to explain the technical to the non technical individual
- Intermediate knowledge of MS Office to include O365, Word, Excel and PowerPoint
- IT literate with the ability to use discipline specific software

## Contact

Please send your CV and any additional information to support your application to:

[careers@velocys.com](mailto:careers@velocys.com).

