VELOCYS

Role Specification

Job title: Process & Systems Engineer – Offsites and Utilities

Department: Engineering

Location: Oxford, UK

Date: March 2023

The role of Process & Systems Engineer – Offsites and Utilities will be based at our corporate office in Oxford, UK but significant time will be required to be spent in our EPC Contractor's offices, currently based in West London. Occasional business travel will be required.

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 deployed within a project team currently in FEED on a £1 billion-plus sustainable fuels project.

The role is a 'hands on' position, requiring the role holder to fully immerse themselves into all aspects of process engineering focused on delivering the scope of the project's Offsites and Utilities for a waste to fuels project. The position calls for the provision of capacity to the existing process team, together with supporting the front-end engineering design (FEED) and other related project delivery activities within the portfolio which include biomass to fuels and e-fuels.

Regularly working on multiple projects simultaneously, the successful candidate will support ongoing front-end project development, to include the transitioning tasks related to FEED and EPC. Furthermore, they will need to interpret internal and external client objectives and goals and implement the objectives in a cost- effective and timely manner.

This role provides the opportunity to work on the engineering and delivery of innovative sustainable fuels projects of global significance, playing a key part in the Energy Transition.

Responsibilities

- Support ongoing front-end project development, transitioning work into Front End Engineering Design (FEED) and EPC.
- Generate, calculate, and correlate data to assist process and project engineers in performing required engineering functions.
- Develop Process deliverables in support of the Process Design Basis and Process Design Criteria focused on the project offsites and utilities scope.
- 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.
- Ensure integration of offsite and utility systems, supporting the design requirements of ISBL units, to include:

    - Interface tables
    - Inter-unit control diagrams.
    - Battery limit tables.
- Support development of facility operating plan.
- Oversee the development of a safe facility including support of:
    - LOPA
    - PHA
    - Risk assessment
    - Overpressure protection
    - Disposal systems
    - SIS
    - HIPS
- 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: UK Engineering Manager
- Next level supervisor title: Vice President Engineering.
- Collaboration with other individuals and groups:
    - Velocys: Project Management, Engineering Group, Project Services, Contract Management, and Commercial team.
    - Third party: Vendors and Suppliers including EPC Contractor.

Education and experience

- Accredited Degree in Chemical Engineering or equivalent
- Prior experience of delivering Offsites and Utilities Scope of Work
- 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 technical concepts to the non-technical individual.
- Demonstrable interpersonal skills with the ability to liaise on all levels; evidence of collaborative behaviour is essential
- Proficient knowledge of MS Office to an advanced level is required to include O365, Word, Excel and PowerPoint.
- IT literate with the ability to use discipline-specific software such as simulation and hydraulic programs.

Contact

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

careers@velocys.com.