



Project Engineer

Department: Engineering

Reports to: SVP Global Engineering

Location: Tampa, FL

Type/Compensation: Full-Time Exempt Employee/Base plus bonus

About the Company

Seven Seas Water is a multinational acquirer, developer, owner and operator of water production and wastewater treatment plants and businesses. Our extraordinarily reliable solutions address the challenges of water resource management through our offerings – an alternative partnership approach to tackling water and wastewater inefficiencies for customers in the municipal, industrial, and commercial markets. Present plant operations utilize reverse osmosis to desalinate seawater and brackish water and utilize ultrafiltration, membrane bioreactors, and activated sludge processes to treat municipal wastewater. AUC Group, a wholly-owned subsidiary, provides decentralized, modular, and scalable WWTP solutions primarily to municipal customers in Texas via an equipment leasing model.

The company is expanding its scope of offerings as well as technologies, and is pursuing opportunities in the US and North America as well as globally. Seven Seas Water is owned by funds managed by Morgan Stanley Infrastructure, a leading global infrastructure investment platform that recently announced \$5.5 billion raised for North Haven Infrastructure Partners III, its third global infrastructure fund.

Job Summary

The incumbent will be responsible for providing the primary engineering support for the design, construction, refurbishing, and commissioning of reverse osmosis and seawater reverse osmosis (SWRO) plants, along with supporting the Business Development (sales) team with technical expertise in the design of new plants or refurbishment of existing plants.

Key Responsibilities

- Contribute engineering expertise for the initiation, planning, and execution of build-own-operate (BOO) projects (greenfield, brownfield, expansions, acquisitions)

- Monitor and control project activities by engaging internal/external stakeholders (project team, senior management, clients, consultants, contractors, vendors), directing/managing site construction activities, and coordinating cross-functional teams during commissioning
- Facilitate creation of project deliverables including technical drawings (process, mechanical, civil, general arrangement), bills of material (BOM) for procurement, scope of works (SOW) documentation & engineering specifications for RFP, and operation & maintenance (O&M) manuals
- Assist business development efforts in researching opportunities, performing feasibility analysis, preparing technical proposals, estimating CAPEX/OPEX, liaising with subject matter experts (SME), and investigating compliance with regulatory frameworks
- Support M&A due diligence activities by reviewing data room technical documents, conducting/reporting site inspections, performing risk assessments, and identifying investment opportunities for operational improvements
- Lead meetings with regional and plant managers to track issues and drive continuous improvement in Operations
- Select and integrate process equipment installation and operation from among multiple technology choices and vendors: chemical systems, piping systems, filtration (MMF, CF), reverse osmosis (BWRO, SWRO), ultrafiltration (UF), pressure exchangers (PX), electro deionization (EDI), membrane bioreactor (MBR), ultraviolet (UV) disinfection, tanks, pumps, fans, valves, and motor/process controllers.

Essential Knowledge and Tasks

- Strong technical knowledge of seawater and brackish water reverse osmosis technology and applications, domestic and industrial wastewater treatment technologies, and related water industry technologies, trends, and standards
- Specify for designers the appropriate instrumentation, valves, pumps, piping, etc. to complete mechanical design of new water treatment equipment that the company builds or procures
- Direct and approve the work of mechanical AutoCAD designers completing mechanical and process drawings
- Assist in the development of process designs for plants including PFD & P&ID's
- As required, assist Business Development with costing on new plants proposed by the company
- Assist in the completion of operational procedures for new plants built by the company
- Assist in the completion of EH&S and HAZOP reviews for new plants built by the company
- Work with equipment supplies to ensure proper component selection on company projects

- Organize and prepare project execution in conjunction of the Project Manager
- Construct detailed Bills of Material (BOM) for company projects
- Enter detailed BOMs into company ERP system and enter appropriate purchase requisitions using ERP system
- Candidate will help design all new SWRO and related plants that the company builds.
- Candidate will work on a project team under the direction of a Project Manager and may assume PM responsibilities on some projects
- Candidate is expected to be able to direct the work of mechanical designers, project assistance and other project staff as required
- English fluency required; multi-lingual skills are highly desired

Education and Experience

- Minimum of a bachelor's degree in an engineering discipline required
- Relevant experience in the water treatment industry, to include experience with reverse-osmosis system design; sea water reverse osmosis (SWRO) experience highly preferred.
- Candidate must have mechanical design experience of various piping materials including PVC, stainless steel, and FRP. Must also have experience with design of mechanical support systems for piping, valves, pumps, and instrumentation.
- Candidate must be experienced with all facets of project execution with primary focus on detailed engineering of reverse osmosis and related process equipment design.
- Working knowledge of SWRO process and related processes is required.

Submit your resume to jobs@7seaswater.com. Our company website is www.sevenseaswater.com. Seven Seas Water is an equal opportunity employer. All applicants will be considered for employment without attention to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran, or disability status. In compliance with federal law, all persons hired will be required to verify identity and eligibility to work in the United States and to complete the required employment eligibility verification form upon hire.