

Position Title	Senior Process Engineer
Category	Operations
Job#	2014047
Company	CPS Process Solutions
Location	Maynard, MA
Date Posted	09/29/14
Type	Full time

SUMMARY: Responsible for participating in engineering design teams in the Life Science arena for this growing provider of Process Engineering and Staff Augmentation services. Specific responsibilities include execution of engineering design projects throughout the clients design continuum.

RESPONSIBILITIES:

- Participate in project teams to design, review, and improve Life Science processing facilities with emphasis in upstream/downstream processing, purification, fill-finish and core base utilities supporting: Clean Steam (CS), Water for Injection (WFI), Clean In Place (CIP/COP), Purified Water (USP PW/RO-DI), Process Gases, etc.
- Perform process simulation and studies including sizing and specification of process equipment.
- Perform specification and design, installation, start-up and commissioning.
- Prepare project plans for equipment/facility improvements including schedules, budgetary estimates and capital spending requests. Develop/modify SOP's, specifications, drawings, equipment manuals, commission and qualification documents and maintenance procedures.
- Analysis of systems, equipment, utilities to support trouble-shooting, system diagnosis, and problem resolution of equipment and facilities.
- Participate in sales with lead generation, presentations, proposals and successfully interface with clients, project managers, and engineering professionals.
- Assist with proposal and quote development as needed by sales & marketing team.
- Participate with CPS companies to develop new products and improve current product offerings.
- Keep abreast of life science industry trends and technologies. Attend ISPE, other trainings, networking events and tradeshow as requested by CPS sales & marketing.

SKILLS:

- Comfortable with all phases of the Client Design Continuum, familiar with ISPE Good Practice Guide and related Baseline Guides or industry standards for system design, distribution, and testing of processes systems.
- Working knowledge of process flow diagrams, piping & instrument diagrams, mass & heat balances, basic piping system design, pump sizing, material handling methods, equipment, functional & installation specifications, as well as process instrumentation & control principles. A practical understanding of sanitary design and construction methods is preferred.
- Strong analytical skills, project management and strong Microsoft Office, Project, & AutoCAD skills.

EDUCATION: Bachelor's Degree in Chemical Engineering with 10 years of experience and 5 years in Pharmaceutical/Biotech in areas of Fermentation/Cell Culture, Media Prep, Buffer Prep, Product Recovery & Packaging, CIP/COP and Clean Utilities. Solid knowledge of cGMP requirements, aseptic processing and FDA regulations. Consulting/design engineering experience and Professional Engineer Registration.

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