

Senior System/Project Engineer

This position reports to VP of Engineering and is best suited for a hands-on project engineer that can effectively manage engineering projects and technically contribute to modeling, and analysis of Mechanical and Electromechanical systems. The emphasis will be on projects related to developing custom solutions as well as new products. This individual will have a major role in the initial design, development and testing of customer (internal and external) specified systems. This includes product specification definition, overall direction for system design, component selection, prototyping, modeling, analysis, and testing. The ideal candidate will be leading a team to develop a complete and cost effective engineering solution to meet internal and external customer's performance and quality requirements.

Major Responsibility Areas

Technical

- Focus on developing custom solutions to meet specific customer defined requirements
- Translate customer requirement to technical/engineering specifications
- Manage and document system configuration
- Develop tools for testing and characterization of linear motion systems
- Work closely with mechanical engineering to incorporate dynamic system requirements into the design process.
- Analysis and modeling activities in support of arriving at creative, technically sound solutions to problems encountered in design and system integration.
- Assist in the design and development of high-technology electromechanical engineering systems
- Develop instruction manuals and run training sessions
- Confer with vendors, staff and management personnel regarding purchases, procedures and, product specifications, manufacturing capabilities and project status.
- Become an engineering department expert on modeling, and analysis of electromechanical systems.
- Provide technical assistance to other departments and our customers.

Project Management

- Manage small and medium size engineering teams focused on completion of fast paced and technically challenging projects
- Guide and direct resources required to keep projects on schedule and on budget.
- Participate in formal systems design, product, process and certification reviews.
- Create and maintain project and technical documentation to insure efficient planning and documentation
- Coordinate and execute development and documentation for Mechanical and Mechatronics projects

Minimum Job Requirements

- Degree in Mechanical Engineering or a related discipline; Master's degree a plus.
- 8-10 years of experience working as a Mechanical, Mechatronics, or systems engineer
- 5+ years of experience with modeling and analysis of mechanical and electromechanical systems (FEA, Matlab, Simulink).
- Working knowledge of common CAD tools (Pro Engineer, Solidworks)
- Strong understanding of dynamic systems and mechanical vibrations
- General understanding of various sensors, actuators, and their application
- Familiarity with National Instrument hardware and software tools
- Familiarity with PLC code and other program languages a plus.

Required Competencies

- Excellent verbal, written communication and technical writing skills
- Project management experience (history of managing small to medium size projects)
- Proficient in MS Office applications
- Exceptional analytical and organizational skills
- Ability to work independently and meet deadlines
- Ability to react quickly to change
- Stays up to date with the latest technological innovations

Bishop-Wisecarver Corporation, a Bishop-Wisecarver Group company, helps manufacturers and automation solution providers engineer linear and rotary motion products. With 60+ years of engineering expertise and manufacturing best practices working with over 20,000 customers, we understand our customers' design and application requirements which enables us to develop unique solutions that ship within 2 to 3 weeks. Customers achieve 50% faster time to market, up to 50-75% lower maintenance and installed costs, product differentiation and longer product life.

Our product line includes quality components and accessories, manual linear guide systems, actuated linear guide systems and rotary guides and systems. Stainless steel, high temperature, washdown and clean room-compatible products are among Bishop-Wisecarver's more recent product introductions. Our more popular offerings include the following trade names: DualVee, LoPro, UtiliTrak, MadeWell and GV3.

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If this opportunity matches your background and career goals, please reply to this ad with your current resume with a cover letter outlining your professional goals, where you found this ad, and your salary history & salary requirements.

Katie Mendoza, HR Director
Bishop-Wisecarver Corporation
Pittsburg, California

In the interest of time, your cover letter, resume, salary history & salary requirements, and incentive compensation MUST be included for your candidacy to be advanced.

Bishop-Wisecarver Corporation is an Equal Employment Opportunity/Affirmative Action Employer. We are committed to creating a diverse environment. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.