

Job Details

Description

Basic Purpose and Objective of the Position: (Purpose, Objective, Summary)

The Senior Manufacturing Engineer - Automation is a critical leader in developing a team culture focused on stakeholder engagement and operational execution. This role will be responsible for achieving the goals set for Safety, Quality, Delivery, and Cost in a fast-paced High Mix Low Volume environment. The Senior Engineer Automation is part of the Operations Team reporting to the Manufacturing Engineering Manager.

Major Responsibilities:

- Lead assigned automation projects through their phases and supports all phases of automation projects including concept development, basic engineering, prototyping, detailed automation engineering and design, procurement, construction, start-up, testing, deployment, and sustainment of plant automation systems;
- Follow Dexter and industry best practices;
- Plan, delegate, and execute engineering tasks to ensure all project objectives including safety, technical correctness, budget, constructability, schedule, maintainability, and operability are met;
- Select system architecture and technical strategy for each project and develop business cases for the investment.
- Partners with plant operations, other engineering disciplines, customers and vendors/suppliers to ensure the successful development and execution of projects;
- Lead and review (as appropriate) the preparation of specifications, drawings, bills of materials, test procedures, and other project documentation;
- Lead and review (as appropriate) check-out, commissioning, testing, start up, and full production support;
- Modify existing and create new procedures, standards and practices to stay current with automation technology and implement improved methods;
- Identify risks and design automation for safety. Lead or review (as appropriate) safety reviews and document safety strategies including interlocks, alarms, procedures and safety systems.
- Actively lead all aspects of assigned projects, including project budget/schedule estimation, business case development, schedule and project management;
- Interact with vendors in all engineering design phases and leads in assigned phases from conceptual design through design review, and system integration;

- Serve as a Leader and Mentor for the engineering staff in technical automation development both formal relationships on project assignments and informal interactions;
- Create intellectual property and adheres to company procedures for intellectual property protection.

Qualifications:

Education and Experience:

- Bachelor's degree in Engineering with specialization in electrical, mechanical, electromechanics, mechatronics, industrial, or related field with strong interest in automation.
- Experience in one or more of the following: Automation Design, Machine Design, Test Engineering, Project Engineering, or equivalent experience.
- Minimum six years relevant work experience or Master of Science with at least four years of experience.
- Experience developing automation to optimize operations in a high mix low volume manufacturing plant; including robotic cell design, reach studies, end of arm tooling, automated material handling and safety systems, preferred.

Equal Opportunity Employer/Protected Veterans/Individuals with Disabilities

The contractor will not discharge or in any other manner discriminate against employees or applicants because they have inquired about, discussed, or disclosed their own pay or the pay of another employee or applicant. However, employees who have access to the compensation information of other employees or applicants as a part of their essential job functions cannot disclose the pay of other employees or applicants to individuals who do not otherwise have access to compensation information, unless the disclosure is (a) in response to a formal complaint or charge, (b) in furtherance of an investigation, proceeding, hearing, or action, including an investigation conducted by the employer, or (c) consistent with the contractor's legal duty to furnish information. 41 CFR 60-1.35(c)