



Job Description

Job Title: Project Engineer 1

Location: Urbandale, Iowa

About Energy Control Technologies (ECT):

We (Energy Control Technologies, Inc.) are a fast-paced, entrepreneurial company that is looking for energetic employees to help us grow our company. ECT's customers span the Industrial/Manufacturing, Oil and Gas and the Bio-fuels market segments and our products are state of the art in the field. You will have the opportunity to work on some of the most complex and critical machines that directly affect the operation of energy production plants across the world.

About the Position:

Project Engineer 1 is a starting position where we expect to begin the process of training the successful candidate to be able to accomplish these required tasks.

A Project Engineers primary job is to take our advanced control system applications and implement them in a way that provides the proper control strategy that meets the customer's needs. These tasks include understanding the process that is being controlled and properly implementing our algorithms to successfully create a complete system to be built and commissioned in the plant.

To achieve these goals the project engineer will have to work in a team to gather the project requirements, design the solution, document that design. Then proceed to assist with building and configuring the software to accomplish it. Additionally, the project engineer will assist with testing the final product.

While doing this you are responsible for compliance to industry-accepted standards, department and project specifications. A Project Engineer may also provide support for the Sales Department, in such activities as field surveys; project cost estimating and project quoting.

Key Responsibilities:

- Responsible for the successful completion of assigned engineering projects.
- Sustain regular contact with assigned project clients ensuring effective engineering and client communications.



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- Participate in client/contractor meetings and work toward resolving client and project engineering issues.
- Work with and support Sales Dept., estimating project costs, developing quotes, determining project requirements, and field surveys.
- Travel as needed to project site for customer acceptance testing and/or basic pre-commissioning tasks.
- Read and develop P&ID's, Instrument loop diagrams, wiring diagrams and panel layout drawings.
- Produce engineering documentation using Microsoft Office, AutoCad Electrical and TK software products.

Requirements:

- Bachelor's degree or 4 years engineering experience in a related field.

Desired Skills

- Desire to learn basic control system concepts and to apply them to advanced process control systems.
- Any of these would be a substantial plus: Familiarity with various PLC and DCS equipment. Including Siemens, ABB, Emerson Delta V, Honeywell, Rockwell or any other industrial control system.
- Programming and configuring RSLogix5000, and FactoryTalk View software, TK Solver, SolidWorks, MATLAB, C/C++ Programming, Autodesk's AutoCAD Electrical.
- Some basic understand of P&ID drawings or other technical abilities related to control systems.

Desired Traits:

- Positive work attitude and ability to multi-task on several projects
- Self-starter who can work individually or as a part of a team to achieve success.
- Ability to work legally in the United States.

Benefits & Compensation:

- Competitive compensation depending on experience.
- Medical & Dental Insurance including Health Savings Account
- Long Term Disability
- FMLA benefits including both partners.
- 401(k) with company match.



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- ECT is an employee owned company and you will have the opportunity to join our ownership team and share in our success after a short vesting period.