

# Controls Engineer

**Location:** Dallas, TX

**Start Date:** Immediate

**Employment Type:** Permanent/Full Time

## Scope

As a Controls Engineer you will be responsible for the design of building automation systems using company tools and operating standards to produce the most cost effective, energy efficient solutions for our customers.

## Duties

As a Controls Engineer with Core Solutions you will be part of a team that is responsible for the sequences, drawings, and databases for each project. You will work closely with the software and installation departments to design and create these building automation systems.

- Responsible for the successful overall hardware and software design of controls projects, as well the implementation of the Engineering Department procedures and standards used in the design, installation, commissioning, and documentation of controls projects.
- Ensure all drawings, materials, check out books and documentation required to complete a project are on hand at the proper location to ensure the scheduled timeline and budget requirements are met.
- Complete assigned projects on or before the scheduled submittal date by coordinating with and facilitating the various internal personnel and external organizations. This would include control valve submittals, damper submittals, airflow station submittals, water flow meter submittals, as well as equipment coordination.
- Submit RFI's to project managers and engineers.
- Work closely with project managers and engineers during the design stage.
- Responsible for distributing and assembling project submittals.
- Full and direct responsibility to complete projects according the Engineering hours that are allotted for all assigned projects.
- Fully read and understand project scope of work, contract documents, and project specific sequence of operations.
- Continuously fine-tune standard sequences of operation to ensure systems are operating most energy efficiently while providing a comfortable environment.
- Prepare, maintain and track engineering project correspondence.
- Research existing or specified HVAC mechanical systems to determine the best integration of controls.
- Analyze existing client's mechanical and electrical HVAC systems to determine best solution for customer.
- Perform on-site assistance for project implementation as needed.

- Lead project turnover meetings with software, installation, sales, and administration.
- Attend job meetings prior to installation.
- Actively participate in weekly project review meetings with software, installation, and administration.
- Create accurate and efficient bill of materials and equipment schedules based upon contract documents.
- Work with purchasing to track material from order status to delivery at job site.
- Complete as-built documentation for each project assigned.
- Participate in solution of job-related problems.
- Develop new and maintain existing customer relationships with mechanical and general contractors, consulting engineers, architects, and building owners.
- Utilize Automated Logic's dealer website and stay current on technical data and solutions for existing problems and updates.
- Stay abreast of industry developments for energy savings strategies, new products, and technologies.
- Continuously identify areas needing improvement and implement changes to increase effectiveness and productivity.
- Be an active member of industry- related groups such as ASHRAE.

## Qualifications

- Competent working with Microsoft Visio, Microsoft Word, Excel, Outlook.
- Extensive overall computer experience.
- Bachelor's degree in Engineering or Applied Sciences preferred with a minimum of three years engineering experience in the building controls industry.
- Excellent organizational and oral/written communication skills.
- Knowledge of HVAC/Mechanical systems.
- Strong customer service skills.
- Strong understanding of building control and monitoring systems, including ancillary systems and products such as valves and dampers.
- Some knowledge of third-party integration concepts with experience in BACnet and Modbus preferred.

## Whom to Contact

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