

Job Title: Building Controls/Integration Project Manager
Reports To: Program Manager



Integrated Building Solutions:

Populated by extraordinarily creative, motivated and talented people, IBS's engineering team gets excited by developing new applications used by multiple Fortune 500 companies to realize the true benefits of building automation and "Going Green". IBS is positioned as a technology leader in the Building Automation Industry. Historically, many companies have placed IT and Facilities in different parts of the organization. IBS bridges the gap between IT and Facilities, which results in better provisioning and energy conservation of data centers and facilities. IBS's primary goals are to save our customers money, reduce energy usage and improve occupant comfort and efficiency in their buildings through the use of our services, software, and consultation.

We are located in San Ramon, CA. Relocation Opportunity.

Controls Integration Engineer:

This is a great opportunity for a motivated individual to join a growing company using cutting edge technology to provide integration solutions for some of the world's largest corporations. Integrated Building Solutions, Inc. is looking for a hands-on Controls Integration Engineer that is capable of wearing multiple hats in a fast pace environment.

Areas of Responsibility/Duties

- Responsible for reviewing various client's building systems including HVAC, Metering, Lighting and Network/IT systems, among others to evaluate overall performance, identify infrastructure capabilities and make recommendations aligned with solution offerings based on client needs
- Gather and analyze data to establish integration system requirements and needs
- Draft technical instructions, engineering plans, technical designs, and other systems integration related documents
- Perform integration tasks to connect the system hardware and software applications – this could include both pre-configuration of integration hardware devices and meters as well as remote or on-site configuration and commissioning tasks
- Collaborate with front end software and graphics development teams to ensure that all integrated systems are properly reflected in the final product
- Interface with various team members, internal and external, as well as subcontracted resources on a regular basis
- Analyze existing building control system operations and identify operational inefficiencies and systems performance opportunities
- Review as-built electrical documentation and site equipment to be able to identify metering solutions and to work with electrical contractors as needed, to support the safe and proper installation of metering system components
- Review customer Network and IT infrastructure systems and documentation to develop network-related integration requirements.
- Work with the customer's IT staff to facilitate the installation of network-connected integration system components including data gathering appliances, servers, meters, etc. as required by the application
- Develop and conduct testing plans and procedures based upon implemented solution offerings system recommendations

- Provide client with post-installation and integration support, as necessary
- Collaborate with external clients and internal teammates to determine the best possible building systems integration solutions
- Implement solutions to optimize building performance and increase operational and energy efficiency to meet clients business/project goals and objectives
- Participate in the technical development of standard documentation for design documentation, and client deliverables
- Participate as needed in sales pursuits, client demonstrations, and business meetings to define client solutions and needs
- Participate in the evaluation of existing, new, and emerging technologies and collaborate with leadership and other staff to research, implement, and maintain technology products
- Be an active participant in industry-related professional associations (i.e. Haystack, BACnet)
- Present a positive professional image of the organization at all times
- All other duties as assigned

Qualifications

- Minimum of 5 years of Building Integration and system control technologies experience
- Proficient with computers, web-related technologies, and building systems, with specific knowledge of:
- Tridium Niagara Software and Hardware
- Integration hardware and software components
- Metering infrastructures, energy management solutions
- Software Application programming & protocols (HTML, Flash, JavaScript, SQL, BACnet, MODBUS, or other languages/ protocols)
- Automated Fault Detection and Diagnostics software (SkySpark experience preferred)
- Building automation system drawings, technical wiring diagrams, and computer and building automation system networking concepts and standards
- IT and IP-based Networking applications, technologies and standards
- Functional experience with MS Office applications (Word, Excel, Visio, Project, etc.)
- Ability to solve complex math problems, programming logic, and analytical equations
- Ability to decipher highly technical data
- Ability to collaborate effectively with other departments and organizations
- Ability to work long and irregular hours as needed
- Ability to meet tight deadlines and work well under pressure
- Strong organizational skills, time management skills and attention to detail required
- Strong verbal and written communication skills with an emphasis on technical writing skills
- Ability to work collaboratively with others whom you have no direct authority over
- Strong teamwork and team synergy skills required
- Ability and willingness to travel occasionally, as needed
- Ability to work independently with little supervision and to multi-task in an ever-changing work environment
- Ability to communicate professionally, effectively and responsibly to external subcontractors and customers in a manner that reflects well on the company

Education and/or Experience

- Four-year M.E. / E.E or C.S.E. degree, trade certification, or 8 years of industry experience
- Tridium AX and/or N4 certification is required
- Strong troubleshooting skills are a must
- HVAC and building utility systems, Building Automation, AFDD and Energy Services experiences are required
- System startup and commissioning process experience
- Multiple types of HVAC Control Systems experience a plus
- Strong experience with Modbus, BACnet, and other open protocols a must
- Integration of disparate building control and portfolio level systems experiences are preferred