

Building Automation System Engineer

Job Description

FMC Technologies, Inc. is an integrator of intelligent Building Automation Systems (automatic temperature control, access control, lighting and energy management) primarily serving clients in eastern Massachusetts. We work with facility owners, architects, engineers, contractors and management companies to create innovative solutions tailored to meet the unique needs of our customers.

The BAS Engineer will design and/or program a complete Building Automation System including integration to other low voltage control sub-systems to meet the intent of the project requirements. This includes providing detailed information and submittals to communicate design and operation to customers, consultants, subcontractors and the field installation team.

Responsibilities:

- Design and configure technically complex Building Automation Systems as defined by the contract documents. Create flow diagrams, sequence of operations, bill of material, network layouts and electrical schematics as required.
- Design and develop panel layouts, network layouts, wiring diagrams per customer and/or company standards.
- Select material including DDC modules, field sensing and control devices, dampers and valves to meet the project requirements, specifications, codes and customer standards.
- Program DDC modules to meet exact sequence of operation.
- Program and configure integration between multiple vendors using open and proprietary software.
- Configure system database for reporting, alarming and monitoring of Building Automation Systems.

Requirements:

- Engineering College or 4-year technical degree and/or industry related engineering including HVAC Systems, DDC Systems, and software.
- Knowledgeable in DDC applications pertaining to the HVAC/control industry.
- Skilled in use of personal computer software Microsoft Office, Microsoft Visio or the equivalent.
- Knowledgeable in PC networking, database development and advanced PC functions.
- Ability to visit job construction hard hat areas and climb stairs, maneuver in and around pipework and air ducts and work safely in close proximity to exposed line voltage and low voltage wiring and terminations.
- Possess valid state motor vehicle license and possess safe driving record as required by company's insurance carrier.
- Experience with BACnet and Niagara based products is preferred.

Benefits Include:

- Health Insurance
- Dental Insurance
- Simple IRA Program
- Paid Vacations and Holidays