



ACRO AUTOMATION SYSTEMS

Controls Project Engineer

Responsible for the performance and profitability of the control system related technical aspects of a project (i.e. – electrical, pneumatics, hydraulics, water, welding, lubrication, and programming). Perform and champion controls related engineering tasks (i.e. – conceptualization, design, generation of schematics, component specification, purchasing support, programming, assembly support, de-bug, and field commissioning). Systems may include programmable logic controllers (PLC), operator interface terminals (OIT), robots, servos, distributed I/O, welders, AC/DC drives, vision systems, material handling, conveyors, spraying, dispensing, industrial networks, instrumentation, pneumatics, hydraulics, and electro-mechanical control devices. Identify potential risk areas and/or financial impacts early in the project in order to provide proactive or alternative solutions. Provide leadership, guidance, assistance, and

- Minimum of eight (8) years of custom automated equipment controls design, build, implementation, debug and troubleshooting experience (direct experience with assembly equipment preferred, as it relates to manufacturing and factory floor automation).
- Strong CAD skills as related to controls schematics generation (AutoCAD required; AutoCAD Electrical or E-Plan is a plus)
- Control system design experience
 - Electrical – Strong experience required (component specification, power distribution, sizing, safety circuitry, panel layouts, local/distributed I/O, industrial networks (DeviceNet, Ethernet, EtherNet/IP, RIO, ControlNet, ProfiBUS, ProfiNet, ProfiSafe), AC/DC drives, servos, system interfacing, etc...)
 - Pneumatic – Working knowledge required (ability to size, specify components, and design is a plus)
 - Hydraulic – Working knowledge required (ability to size, specify components, and design is a plus)
 - Welding Systems – Working knowledge is a plus
 - Lubrication Systems – Working knowledge is a plus
 - Safety Risk Assessments – Working knowledge is a plus
 - Robotics - Working knowledge is a plus
 - Peripherals (i.e. - RFID, pin stampers, vision systems, bar code readers, serial interfaces, etc...) - Working knowledge is a plus
- Programming and commissioning experience
 - PLC - Strong experience required (Allen-Bradley and Siemens preferred)
 - HMI - Strong experience required (Allen-Bradley and Siemens preferred)
 - Industrial Networks (DeviceNet, Ethernet, EtherNet/IP, RIO, ControlNet, ProfiBUS, ProfiNet, ProfiSafe) – Some experience required
 - Servos – Solid working knowledge and some experience required
 - AC/DC Drives – Solid working knowledge and some experience required
 - Robotics - Working knowledge is a plus
 - SCADA - Working knowledge is a plus
 - Peripherals (i.e. - RFID, pin stampers, vision systems, bar code readers, serial interfaces, etc...) – Some working knowledge and experience required
- Hands on with Microsoft products are a plus
- Experience with programming languages (visual basic, C, C++, Fortran, Statement List, Function Block, etc...) are a plus
- Must possess cross functional communication skills, a professional demeanor, a cooperative personality,

organizational skills, multitasking capabilities, and be team orientated

- Direct experience working with customers and suppliers is required
- Familiar with current and emerging technologies, processes, and engineering practices
- Experience providing designs that comply with industry-accepted standards and codes (i.e. - OSHA, ANSI, NFPA, RIA, NEC, etc.)
- Proven experience managing project budgets and schedules
- Experience as lead controls engineer, coordinating the efforts of multiple engineers for a given project
- Able to easily adapt to customer and/or ACRO programming and design standards
- Solid mechanical aptitude desirable

EDUCATION REQUIREMENTS

- A four year BSEE or similar degree preferred, however related experience may be considered.

REVIEWED BY	<i>Title</i>
APPROVED BY	<i>Title</i>
DATE POSTED	
DATE HIRED	