



An ATN Services Company

# Professional Industrial Consultants

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## ENGINEER (ELECTRICAL)

### POSITION SUMMARY

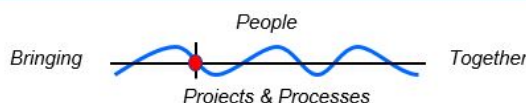
We are looking for an experienced Engineer (Electrical) with min of 5 years of Hands-on Vehicle Assembly Automation and Tooling Experience. Controls Engineer will be responsible for review and evaluation of all Electrical Controls for assembly Tooling and Automation including Electrical Design (Hardware and Software), fabrication, equipment specifications, and technical support inhouse, at suppliers, and client's facilities.

- Provide directions and technical support to Project Managers, Engineers, and suppliers, who may be involved in the design, engineering and build of the tooling
- Works closely with Manufacturing, Mechanical Engineering, and Project Management to follow a project from its inception to the final customer acceptance and sign-off, providing follow up and support
- Review, evaluation, and approval of Electrical Controls for tooling that is being build (internally or externally) including:
  - Electrical Hardware design to ensure that clients design intent and standards are being met including Electrical Schematics, Control Panels, pneumatic design, hydraulic design, Allen Bradley PLCs (Programmable Logic Controller), HMIs (Human Machine Interface), Robotic interphase, VFDs (Variable Frequency Drive), Servo applications, and device communication networks, and safety equipment.
  - Review, evaluate, and approve software controls design utilizing PLCs with Allen Bradley and RS Logix5000, and HMI's
- Conduct Electrical Controls design review meetings with inhouse engineering, tooling suppliers, and customers
- Gather required project information from customers & suppliers to create project timelines and schedules
- Schedule, chair, and document all Electrical Controls project related meeting with clients and suppliers (Design reviews, Engineering changes and buyoff meetings)
- Manage equipment specifications for the internal or external build by outside vendors
- Ensure that supplier(s) follows/meets tooling build processes, GM standards GCCH-1 & GCCS-2, and meet quality, delivery expectations, as well as maintain the appropriate budget
- Support technical line up when handing projects off to Integration for Build
- Document information, decisions, changes related tooling build process and maintain tooling progress and buyoff meetings dates in MS Excel
- Perform design and build buyoffs & quality checks and conduct / maintain buyoff meetings and forms
- Ensure that equipment being started up and commissioned operates in accordance with the approved customer specification
- Interprets engineering drawings and specifications to develop and provide equipment installation instructions which are compliant with site installation requirements
- Review tooling prior to final release, ensuring compliance for customer buyoff

### REQUIRED EDUCATION AND EXPERIENCE:

- Bachelor's Degree in Electrical Engineering
- 5+ years of Electrical Controls Systems & Automation engineering and/or build experience for vehicle assembly tooling Previous General Motors experience is highly desired
- 5+ years of experience in an Electrical Controls Systems project-build in vehicle assembly manufacturing environment
- Experience with General Motors Electrical Hardware and Software Standards GCCH-1 & GCCS-2
- Ability to work Overtime during the workdays and in some cases weekend and holidays
- Travel to suppliers and customers is required which includes travel depending on project and resource requirements

♦ OVERALL PROGRAM / PROJECT MANAGEMENT  
 ♦ MASTER PROGRAM / PROJECT SCHEDULING  
 ♦ TECHNICAL SUPPORT / CONTINUOUS IMPROVEMENT  
 ♦ ENGINEERING / FABRICATION / TESTING / LOGISTICS  
 ♦ INSTALLATION / QUALITY / INITIAL ACCEPTANCE  
 ♦ COMMISSIONING / LAUNCH / FINAL ACCEPTANCE



STAMPING / PRESSES / MILLS ♦  
 BODY SHOP TOOLING / AUTOMATION ♦  
 PAINT FINISHING SYSTEMS ♦  
 GENERAL ASSEMBLY TOOLING ♦  
 MATERIAL HANDLING / CONVEYORS ♦  
 PLACEMENT SERVICES ♦