
PRECISION PROCESS SOLUTIONS

Job Posting

SENIOR CONTROLS ENGINEER

Full-Time | On-Site | Engineering

About Precision Process Solutions

Precision Process Solutions (PPS) is a forward-thinking engineering firm specializing in advanced automation, control systems, and process integration for the automotive and manufacturing industries. We partner with leading OEMs and suppliers to deliver cutting-edge solutions that drive efficiency, quality, and innovation on the plant floor. At PPS, we don't just solve problems — we engineer the future.

Position Overview

We are seeking a highly skilled and motivated Senior Controls Engineer to join our growing team. In this role, you will lead the design, development, programming, commissioning, and troubleshooting of control systems for complex automotive manufacturing and assembly applications. You will work closely with cross-functional teams, clients, and vendors to deliver world-class automation solutions on time and on spec.

Key Responsibilities

- Design, program, and commission PLC-based control systems (Allen-Bradley, Siemens, or equivalent) for automotive assembly and manufacturing equipment
- Develop HMI applications, SCADA systems, and operator interfaces to support production operations
- Lead controls engineering efforts from concept through startup, including FAT and SAT support
- Collaborate with mechanical and electrical engineering teams to ensure seamless system integration
- Develop and maintain electrical schematics, control panel designs, and technical documentation
- Troubleshoot and resolve control system issues during commissioning and production support phases
- Provide technical guidance and mentorship to junior engineers and controls technicians
- Interface directly with automotive OEM and Tier 1 clients to define requirements and present solutions
- Ensure all systems meet applicable safety standards including OSHA, NFPA 79, and ISO 13849
- Support continuous improvement initiatives and participate in project reviews and lessons-learned sessions

Required Qualifications

- Minimum of 5 years of controls engineering experience in the automotive industry (OEM, Tier 1, or automotive integrator environment)
- **Ford GVOSS experience is required** — candidates must have hands-on experience working within Ford's Global Vehicle Operations Standards System (GVOSS) for controls and automation projects
- Proficiency in PLC programming: Allen-Bradley (Studio 5000 / RSLogix), Siemens TIA Portal, or comparable platforms
- Experience with HMI/SCADA development (FactoryTalk View, Ignition, WinCC, or equivalent)
- Strong understanding of industrial networking protocols: EtherNet/IP, PROFINET, DeviceNet, Modbus
- Solid knowledge of electrical engineering principles, control panel design, and NEC/NFPA 79 standards
- Experience with robot integration (Fanuc, KUKA, ABB, or Yaskawa) and safety system design (safety PLCs, light curtains, E-stops)
- Ability to read and develop electrical schematics using AutoCAD Electrical, EPLAN, or equivalent
- Strong problem-solving skills with the ability to work independently in fast-paced project environments
- Bachelor's degree in Electrical Engineering, Controls Engineering, or a related technical field (or equivalent experience)

Preferred Qualifications

- Experience with automotive body shop, paint shop, powertrain, or general assembly applications
- **Mercedes Integra experience is a plus** — prior experience working within Mercedes-Benz Integra systems and platform standards for controls integration is highly desirable
- Familiarity with automotive quality and safety standards: IATF 16949, ISO 26262, or AIAG guidelines
- Knowledge of vision systems, barcode/RFID integration, or MES/ERP connectivity
- TUV Functional Safety Engineer (FSE) certification or equivalent safety training
- Experience with servo drives, VFDs, and motion control systems
- Project management experience with the ability to lead engineering efforts and coordinate with multiple stakeholders

What We Offer

- Competitive salary commensurate with experience
- Comprehensive health, dental, and vision benefits
- Paid time off and company holidays
- Professional development and continuing education support
- Dynamic, team-oriented work environment with challenging and rewarding projects
- Opportunity to work with leading automotive OEMs and Tier 1 suppliers

How to Apply

Interested candidates are encouraged to submit their resume and a brief cover letter outlining their relevant experience to:

general@precisionprocesssolutions.com

Please include "Senior Controls Engineer" in the subject line of your application. We review all applications and will contact qualified candidates to schedule an interview.

Precision Process Solutions is an equal opportunity employer. We celebrate diversity and are committed to creating an inclusive environment for all employees.