

Manufacturing Engineering

Experienced

Controls Engineer

Full Time - Integrated Assemblies - Motherson Sequencing and Assembly Services (MSAS) - Sterling Heights, USA

At Motherson, we’re committed to creating long-term jobs and advancing global careers. Featured on TIME’s World’s Best Companies list, we are a diversified global design, engineering, manufacturing, assembly and logistics specialist, delivering full-system solutions to customers across industries. With a focus on innovation, quality and sustainability, we strive to be a trusted industrialisation partner and an employer that nurtures a diverse, inclusive workplace.

Our Integrated Assemblies division leads in automotive innovation, specialising in premium module assembly and cockpit module integration. We collaborate with customers to deliver cutting-edge solutions supporting electrification. Join us to work with advanced technology and shape the future of automotive innovation.

What you'll do

- Develop/program/troubleshoot PLCs (Allen-Bradley, Siemens) maintain revisions/version control and system updates.
- Modify/optimize ladder logic, structured text, FBD; support commissioning, startup, validation.
- Diagnose controls downtime and maintain electrical/controls documentation.
- Program/teach/optimize Fanuc robots; improve paths/cycle time; integrate robots with PLCs, conveyors, tooling, vision; ensure safe operation.
- Integrate HMI, SCADA, sensors, safety circuits, industrial networks (EtherNet/IP, Profinet, DeviceNet).
- Support vision/poka-yoke, provide shift support, reduce downtime through preventive/predictive maintenance, improve OEE.
- Support launches/engineering changes, standardize controls architecture, identify automation upgrades/cost reductions, ensure OSHA/machine-safety compliance, support risk assessments and safety PLC/interlocks..

What we are looking for

- Bachelor's degree in EE, ME, Automation, Mechatronics or comparable
- 5+ years’ experience in automotive (parts) manufacturing environment
- Experience in JIT production environment preferred
- Must know RS Logix and Allen Bradley PLC
- Hands-on experience with industrial robots.
- Strong troubleshooting skills in manufacturing environments.
- Project management in new automation installs preferred
- Ability to read electrical schematics and control drawings.
- Fluent English

What we offer

- Comprehensive benefit package.
- We show our commitment to our people via the following values:
 - Interest for each other: We act with empathy and care about each other and our counterparts.
 - Togetherness: We work together collaboratively and selflessly.
 - Trust: We say what we mean, keep our promises, and treat others with respect.
 - Respect: We respect and value people of all backgrounds.
 - Enthusiasm: We are curious, ambitious, passionate, humble, and life-long learners.