

Become part of the Hofmann family -

Your next job:

## **Electrical Controls Engineer**

### **What can you expect as an Electrical Controls Engineer at Hofmann Mess- und Ausswuchttechnik?**

American Hofmann is adding an Electrical Controls Engineer. Develop, load, and troubleshoot PLC and safety controller programs for Hofmann balancing machines. Develop PLC programs according to the Hofmann standard PLC Structure and make changes on existing machine code as needed for machine functionality. Troubleshoot and assist testing in finishing the machines to achieve required functionality and operation.

#### General Summary

- Location: In office
- Terms: min. 40 hours
- Salary/Rate: Salary
- Reports to: Engineering Manager/ CEO

## **Your tasks**

- Review work orders & understand machine functionality to develop or modify robust controls logic
- Interpret and advise electrical schematics to ensure electrical circuits are complete
- Work on cross functional engineering team to evaluate & select machine inputs & outputs
- Configure PLC's, safety controllers, motor drives and other electrical controls equipment
- Apply engineering principles in understanding and providing automated solutions for balancing machines
- Support sales with concepts and labor estimates for custom PLC software integration
- Work alongside Electrical engineers to specify electrical hardware for panel design
- Improve or develop standard PLC machine controls logic for Universal Balance machines
- Assist Senior Engineers on automated projects with HMI screens, network design, & configuring devices
- Provide status updates on projects and maintain schedule deadlines
- Support Testing department and Electricians in troubleshooting electrical controls circuits
- Provide remote support to service teams in troubleshooting controls related problems at customer sites
- Light travel (< 10%) may be necessary to occasionally support installation of machines at customer sites

## **Your qualifications**

- Bachelor's degree in electrical engineering or related Electrical & Controls field
- Experience interpreting & writing Industrial PLC Software (Allen Bradley, Omron, Siemens)
- Fluency reading & interpreting Electrical Circuits (AutoCAD Electrical or Eplan)

## **Your skills**

- Strong interpersonal communication skills to work effectively across the entire business team
- Problem solving and PLC troubleshooting skills with industrial machines
- Basic understanding of Controls Engineering Principles, Relay logics, and PLC Ladder Logic
- Basic understanding of Motor & Drive tuning principles
- Innovative & driven to learn new skills, technologies, and products
- Knowledge on safety equipment and standards for safety on automated machines

## **Your benefits**

- A diversified, challenging and interesting job
- Freedom for initiative, creativity and innovative solutions
- Good development possibilities and a performance-focused remuneration in a pleasant working atmosphere and flexible working times
- Individual support through further training

## **Have we aroused your interest?**

Then we look forward to receiving your detailed application documents. Please state your salary expectations and the earliest possible starting date.

### **Contact:**

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