
DIRK HOELLEIN



Hoellein Controls Inc.
Gastonia, NC
28056

Profile

Controls engineer with experience in Siemens PLC programming and upgrading manufacturing equipment to new control systems, maintenance in 24/7 operations, trouble shooting, technical support, start up of machines and production lines (new and used), continuous improvements and development of industrial machine controls.

Please see my LinkedIn Profile for more details:
[linkedin.com/in/hoelleincontrolsinc](https://www.linkedin.com/in/hoelleincontrolsinc)

Strength

Analyzing of processes and technical systems, developing solutions (including proof of concept and selection of hardware), complete programming of PLC, HMI and SCADA setup of drives, defining tasks and responsibility of electrical department, mechanical department and outside contractors, implementations of solutions to increase the reliability, usability, accuracy and efficiency of machines and production lines, including testing, calibration, documentation and operator and maintenance training.

Experience

President, Controls Engineer and Owner
Hoellein Controls Inc.

November 2017- Present

HCI offers these services:

- Siemens PLC, HMI and SCADA Classic and TIA Portal programming
- Training
- Project Management / Consulting for Automation Projects

Most common task for HCI:

Upgrade and improvements of automotive assembly lines.

Application Engineer BCF

American Truetzschler Inc.

April 2014 - November 2017

Upgrade on an BCF line to Siemens S7 1500 PLC, Comfort Panel HMIs and WinCC Prof. SCADA and Yaskawa Drives.

This project included:

- analyzing the situation on customer site
- consideration of customer wishes and request
- creating concept
- presenting concept with different option and their advantages/ disadvantages for the customer to choose
- select needed hardware to allow accurate quote
- Engineering:
 - select every single piece of hardware part needed (engineering of different options, quote them and decide which option to use)
 - design electrical drawings (drafted by hand, not CAD)
 - program PLC, HMI and SCADA from scratch
 - Install and Start-up Equipment on customer site

Software Designer

ATS Carolina Inc., Rock Hill SC

Feb 2014- April 2014

Step 7 and Graph 7 programming for Automotive Assembly Line, programming of COGNEX Vision Systems, testing and optimization of SICK 3D system.

Electrical Maintenance Manager / Controls Engineer

TENOWO Inc., Lincolnton, NC

Feb 2013- Dec 2013

Led three Maintenance Electricians to support 24/7 Non-woven production. Implemented preventive maintenance tasks. Managed spare parts inventory including repair and organization, supplier selection and custom pricing agreements. Advanced troubleshooting on Non-woven production lines, inspection machines and sheeter machines. Supervised upgrade to a production line (new cables, control cabinets and software). Scheduled and managed contractors during projects.

Controls Engineer

Faist ChemTec USA; Gastonia, NC 2005-2013

Maintenance, troubleshooting and improvements of a powder and fluid transport and mixing system, production lines including extruder, tension measurement, infrared heating, cutting press, multi-laminate forming, injection molding machine (ENGEL), assembly and test stations and plastic hot welding.

Further projects were a S5 to S7 upgrade of a press, including the completely new (not migrated) PLC program, the HMI program and drive positioning setup and improvements on the tension control system.

Controls Engineer

IGATEC; Waldsee Germany 2003- 2004

PLC programming for projects in the chemical, petrol, pharmaceutical, plastic and automotive industry.

Electronic and Quality Engineer

Catem DEVELEC; Herxheim Germany 2002

Supported the development of electronic controllers for the automotive industry and quality validation.

Service Engineer

Siemens I&S IS INA BT; Nürnberg Germany 2001-2002

Supported and tested software development, hotline support and customer projects for Siemens products.

Education

Rudolf Diesel Fachschule für Techniker

Nürnberg Germany 1999 - 2001

“STAATLICH GEPRÜFTER ELEKTROTECHNIKER,
Fachrichtung Energie- und Automatisierungstechnik “
