

## Senior Automation and Process Control Engineer

Job Location – Deepwater, NJ

Chemours is seeking an Automation and Process Control (A&PC) Engineer to join our Chambers Works team! This position will report directly to the Automation and Process Control Manager at our Deepwater, NJ location.

### Job Summary

This position provides technical leadership and support for the operation, maintenance and continuous improvement of the site's automation and process control infrastructure. It champions and implements improvements in systems capabilities that will increase the ability to meet customer needs and improve business competitiveness. You will work closely with the Manufacturing / Technical resources, operators and mechanics to understand the business, site and user needs and priorities. You will provide process control assistance for the manufacturing area in various technologies ranging from Distributed Control Systems (DCS), Programmable Logic Controllers (PLC), IP21 Process Data Historians, and other interfaces with various IT technologies and systems. You will identify, develop the scope, and lead minor and medium capital improvement automation projects. You will manage the DCS system, Safety Interlock System (SIS), Programmable Logic Controllers (PLC), configuration, graphics, documentation, simulator, and training to enable stable efficient control of the process.

**Duties and Responsibilities** of the position include, but are not limited to, the following:

- Designs and commission control systems by configuring / developing DCS software
- Automates and manages existing automation of process functions
- Develops DCS graphics that enable efficient control room operator response and knowledge of the process
- Provides control systems input into project development and design schedules.
- Ensures that the DCS and SIS software management is adequate and applied to achieve the area's goals,
- Provides programming support and commission new instrumentation, basic administration of DCS and PLC including monitoring and upkeep of applications
- Performs and coordinates the DCS and SIS data collection and analysis.
- Serves as contact for all DCS and SIS related systems, IP21, simulators and networks.
- Participates in and leads DCS and SIS related reviews and projects as required.
- Conducts and documents or participates in investigations of DCS and SIS incidents and ensures follow-up actions are completed to prevent recurrences.
- Performs job in way that supports site vision of becoming an empowered organization.
- Part of a team that provides support, as needed, to control systems across the site for 24 hours a day/7 days a week operations

**The following is *required* for this role:**

- BS in Chemical Engineering, Electrical Engineering or related degree from an ABET accredited institution
- Minimum 5 years of experience with DCS maintenance/ configuration/ support or PLC maintenance/ configuration support
- Ability to read and understand control system related documentation such as P&IDs, Logic drawings, electrical drawings, vendor's installation/user manuals.
- Working knowledge of key Process Safety Management (PSM) technology elements such as PHA, Process Technology, Management of Change, and Mechanical Integrity / Quality Assurance (MIQA)
- Experience in developing and documenting detailed basic data to ensure success of process improvements and capital projects.
- Excellent analytical, problem solving, interpersonal, and communication skills with ability to work in both self-managed and team environments

**The following is *preferred* for this role:**

- 7+ years of experience in a chemical manufacturing facility
- Demonstrated knowledge and understanding of DCS architecture
- Demonstrated skills in configuring, documenting, and troubleshooting a variety of control systems including DCS or PLC systems
- Able to troubleshoot problems to identify computer, instrument, network, or process related issues
- Willing and able to work off-shift hours when required by maintenance or business needs
- Experienced with Honeywell DCS and Safety Manager or other Safety Instrumented Systems (SIS)
- Experienced with Rockwell PLC system and associated network architectures
- Experienced with IT and networking systems
- Experienced with Batch Automation
- Experience with highly hazardous chemical processes