

## Sr Engineer

Job ID: 00412975

### Job Function

Process Engineering

### Schedule

Full-time

### Location

United States-California  
Oceanside

### Job type

Regular Employee

### Company/Division

Pharmaceutical

### Job Level

Experienced

## Who We Are

At the Roche Group, about 80,000 people across 150 countries are pushing back the frontiers of healthcare. Working together, we've become one of the world's leading research-focused healthcare groups. A member of the Roche Group, Genentech has been at the forefront of the biotechnology industry for more than 30 years, using human genetic information to develop novel medicines for serious and life-threatening diseases. The headquarters for Roche pharmaceutical operations in the United States, Genentech has multiple therapies on the market for cancer and other serious illnesses. Please take this opportunity to learn about Genentech, where we believe that our employees are our most important asset and are dedicated to remaining a great place to work.

## The Position

Responsible for the administration and operation of the site's programmable logic controllers (PLC) and provides instrumentation and control engineering expertise to the Engineering Group. Focus on providing operational support for existing facilities with respect to the instrumentation and control systems for process, utility and building systems. Provides operational support and interfaces with the Siemens Building Management and Emerson Delta V systems as needed.

### Job Responsibilities

#### Essential

Serve as the site subject matter expert for the various PLC systems

Act as the PLC system super user and ensure system equipment and software are maintained in an operational state

Train personnel to interface with PLC systems on equipment and add or delete users based on training status.

Generate alarm reports, identify trends and review data with Quality.

Perform instrumentation and control engineering design services for existing facility projects, including upgrades and capacity expansions, equipment upgrading and replacement.

Review and approve design drawings, and Process & Instrumentation Diagrams which include all line sizing, instrumentation and control philosophies,

Review design specification testing and perform field inspection services.

Interact with vendors.

Review and approve vendor information packages, including drawings and specifications as directed to ensure validation and control system requirements are met.

Play a lead role in the start-up and troubleshooting of process equipment and critical process utility systems.

Generate controlled documents to support the start-up, operation, validation and maintenance of equipment and systems located in existing facilities. Examples include functional specifications and detail design specification.

Provide input into the validation of process equipment and associated utilities.

All employees with jobs that require access to the Warehouse must be able to pass the Transportation Security Administration (TSA) Security Threat Assessment (STA).

Ensures the integration of environmental health, safety, and security into the business processes, systems, and programs while reporting safety and environmental incidents including injuries, illnesses, and safety suggestions within one's functional area. Fosters a positive safety culture in which no one gets hurt.

#### Supplementary Responsibilities

Support work of the Engineering Group, which includes research/evaluate instrumentation and control components, review/modify control system concept/logic as a result of troubleshooting.

## Who You Are

#### Education and Experience

Bachelor's degree in Automation /Engineering (Mechanical, Chemical or Electrical preferred) and 8 years experience, or Master's degree in Automation / Engineering (Mechanical , Chemical or Electrical preferred) and 6 years experience.

8 year applicable instrument and control system experience.

5 year in the pharmaceutical/biotech industry/GMP experience.

#### Knowledge, Skills and Abilities

Experience with a background in manufacturing, design or construction.

Practical knowledge of ladder logic (PLC programming) for Allen Bradley systems including Control Logix, Compact Logix., SLC and older version PLCs.

Practical knowledge of process, utility and building control systems.

Practical knowledge of clean room or classified area design/requirements.

Practical knowledge of GMP guidelines, experience in generation of controlled documents.

Practical knowledge of PID control theories and techniques.

Proficient in ISA standards and practices for instrumentation.

Proficient knowledge of Building Management Systems, and associated programming languages.

Validation experience related to control and computer systems.

Demonstrated good organizational and time utilization skills.

Demonstrated strong working knowledge of PC based programs and systems.

Demonstrated good written and verbal communication skills.

Ability to generate engineering documents, drawings and specifications.

Ability to interact closely with Plant Engineers and Process Engineers.

Ability to maintain close working relationships with Maintenance, Manufacturing, Development, Validation and QA groups.

Ability to comply with cGMP requirements (gowning, documentation, and procedures) for

performing work within the manufacturing facility.

#### Work Environment/Physical Demands/Safety Considerations

Work in standard office environment.

May work in the clean room environment that requires gowning in the form of hospital scrubs, bunny suits, gloves and steel toe boots be worn. Also, no make up or jewelry can be worn when working in the clean room environment.

May work with hazardous materials and chemicals.

Genentech is an Equal Opportunity Employer.