



# Glacier Services, Inc.

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Date : January 16, 2012  
Position Title : Instrumentation and Controls Engineer  
Location : Anchorage

## **Main Function:**

Provide instrumentation and controls engineering support to all phases of capital project design and execution. Serve as the point of contact for engineering contractors, fabricators, and vendors for instrumentation and controls design. Provide engineering support for North Slope operations and maintenance activities.

## **Key Roles & Responsibilities:**

- Involved in maintaining and applying design criteria, specifications.
- Involved in applying industry recognized standards.
- Leads the development of each project's instrumentation and control basis of design.
- Ensures consistency of design with Automation requirements.
- Reviews design deliverables and monitor the performance of the design contractor's instrumentation and control design teams.
- Participates in P&ID and other instrument and control drawing reviews.
- Participates in process hazard analysis and safeguard evaluations.
- Coordinate instrumentation and controls interface with other engineering disciplines.
- Assists in evaluation of RFQ's and vendor proposals for major equipment.
- Review and approve Safety Instrumented Systems engineering and design including SIL calculations.
- Participates in the project risk management process.
- Participates in the development of operation, maintenance, and start-up philosophies.
- Assists in factory acceptance testing and field inspections.
- Interface with ConocoPhillips North Slope based engineering and maintenance personnel.
- Participates on start-up team.
- Helps prepare quality assurance/quality control programs and plans.

## **Qualifications:**

### **Required Skills/Competencies and Certifications**

- BS in engineering from a nationally accredited college.
- 7+ years' experience in instrumentation and controls design in oil/gas, power, or petrochemical industries.
- Must be willing to work Mon-Fri with an occasional rotational to the North Slope and remote work locations for commissioning/start-up.
- Must be willing to take visits to engineering contractor offices or fabrication sites outside of Alaska for short periods of time.

### **Desired Skills/Competencies and Certifications**

- Previous North Slope or arctic experience.
- State of Alaska PE license.
- Safety Instrumented Systems experience. Third party certification of SIS competency.
- Experience designing Bailey DCS, Moore DCS, Fisher DeltaV DCS, TI Siemens PLC's and industrial process control systems.
- Working knowledge of flow measurement principles and practices.
- Experience with designing various field bus communications networks such as Modbus, HART, Profibus or Foundation Fieldbus.
- Willing to re-locate for assignments to engineering contractor offices outside of Alaska.