

Doyon Utilities, LLC
Job Description

JOB TITLE	SCADA and Controls Engineer Manager	LOCATION	HDQ Information Systems
REPORTS TO	Information Systems Director	HOURS	40 Hours per week
TYPE OF POSITION	Full Time, Regular	SCHEDULE	M-F 8am-5pm
WAGE RANGE	DOE	FLSA STATUS	Exempt
BARGAINING GROUP	N/A	DATE	03/06/2019

POSITION OBJECTIVES: Manage the continuous operation of all DU utilities industrial control systems (ICS) and Supervisory Control and Data Acquisition (SCADA) systems. Systems include ICS/SCADA packages for Power Generation Plants, CHPP, Water Distribution Plants as well as SCADA, PLC's, RTU's, flow computers, HMI's, graphics with related networked devices and communications protocols with various media types. Implement a corporate wide ICS and SCADA vision with guidelines and directives. Coordinate and direct activities of vendors and internal personnel in installation of hardware and software to enhance monitoring of system performance as well as allow Doyon Utilities personnel to control systems in a more efficient manner. Evaluate proposals from vendors and make recommendations on equipment purchases, software upgrades and purchases of system components. Strong project management skills for all ICS/SCADA projects through the company.

MAIN ACTIVITIES:

1. Manage ICS & SCADA systems, support personnel and related security on 12 utilities operated by DU at Ft Wainwright, Ft Greely, and JBER.
2. Supervise SCADA and ICS Systems Analysts
3. Organize and direct the training for DU personnel on any controls system changes to allow a smooth transition between upgraded or replaced system
4. Learn processes from the users working in each area to fully support the users
5. Communicate with users so there is an understanding of system changes before they occur
6. Convert technical speak to common speak to convey requirements to all levels
7. Coordinate with site managers, project/design engineers, maintenance personnel and the information technology staff to ensure a unity of effort in program design and implementation
8. Install ICS, SCADA and Instrumentation equipment at field sites as required
9. Maintain a companywide instrumentation calibration program with the support of each site
10. Prepare staff level budget estimates and implementation plans
11. Serve as the primary staff advisor on all ICS and SCADA issues
12. Ensure Doyon Utilities SCADA and Instrumentation activities are properly licensed and in compliance with applicable federal, state and military requirements.
13. Trouble-shoot system events, and propose solutions to mitigate root causes
14. Program ICS and SCADA systems to include PLC, RTU and HMIs as required

SKILLS AND QUALIFICATIONS:

1. Knowledge of Process Control Programmable Logic Controllers and SCADA Remote Terminal Units and their associated communication protocols
2. Exceptional ability to communicate with staff, management and vendors when discussing ICS, SCADA or Instrumentation issues

3. Extensive knowledge of Test, Diagnostic and Evaluation (TD&E) equipment related to SCADA and Instrumentation
4. Exceptional skill in computer applications and networking with an emphasis on SCADA software applications
5. Maintain continuous knowledge of manufacturer's products, applications through continuing education and review of product information
6. Serve as the primary project manager for all ICS/SCADA projects through the company

CONDITIONS OF EMPLOYMENT:

1. The incumbent is subject to pre-hire and random drug testing in accordance with the published policy of Doyon Utilities.
2. Must be eligible to work on a military installation in Alaska.
3. Must have a valid driver's license issued by the State of Alaska.
4. Willingness and ability to travel to job sites within Alaska.

ENVIRONMENT: The position will be located at the DU headquarters in Fairbanks, Alaska with periodic travel requirements to Forts Wainwright near Fairbanks, Greely near Delta Junction, and JBER-Richardson near Anchorage. Employee is required to work both indoors and outdoors including hot, dusty, cold, windy conditions while conducting field research for various DU projects located on military installations in Alaska which requires routine walking, standing, bending and carrying items weighing less than 40 pounds. Employee may be exposed to heat, cold and frequent changes in temperatures. Work often will be dusty, dirty or in snow. Travel may be required as responsibilities extend to all 3 Army posts in Alaska. Reasonable accommodations, according to applicable state and federal laws, will be provided to all qualified individuals with physical or mental disabilities.

EDUCATION AND EXPERIENCE:

1. Bachelor's Degree required, preferably in a discipline related to electrical engineering, computer systems technology, systems engineering or closely related field. Extensive field experience will be considered if education requirement is not met.
2. Minimum of five (5) years of field experience in field related to ICS, SCADA, PLC Programming, system design and/or project management.
3. Employee is expected to periodically participate in vendor related on-line training to enhance knowledge of vendor products, evaluate various product applications and ensure knowledge remains current with industry trends.
4. Knowledge of / experience with NIST 800-82 and SCADA/cybersecurity protocols

Employee Signature

Date