



## Internal/External Job Posting

**Job Number:** 005684

**Closing Date:** March 18, 2020

Resumes received in our office after the closing date will not be considered.

<b>Position Title:</b>	<b>Automation Engineer</b>
<b>Salary Band:</b>	K/L/M
<b>Range:</b>	DOE (Salary will be determined based on experience, qualifications and attributes.)
<b>Work Location &amp; Schedule:</b>	Anchorage This is a regular exempt Anchorage based position on an urban schedule of a 40-hour week or 9/80-work schedule. Relocation benefits may apply.
<b>Number of Positions:</b>	One (1)
<b>Recruiting Contact:</b>	Tracey L. Mueller, Employee Relations Manager Alyeska Pipeline Service Company E-Mail: alyeska_jobs@alyeska-pipeline.com Apply on-line at www.alyeska-pipe.com
<b>Minimum Qualifications:</b>	<p><b>Applicant must meet or exceed these minimum job requirements to apply for this position:</b></p> <ul style="list-style-type: none"> <li>▪ Bachelor's degree in Engineering</li> <li>▪ Two (2) years of related experience as an engineer</li> <li>▪ Strong knowledge of engineering concepts, practices, and procedures</li> <li>▪ Ability to apply Management of Change principles to analyze proposed process and operational changes</li> <li>▪ Strong communication skills, both written and oral, and the ability to communicate complex subject matter in a simple, clear, and concise manner</li> <li>▪ Proven ability to work independently and perform successfully in a team environment</li> <li>▪ Proven ability to collect data and make critical engineering observations</li> </ul>
<b>Preferences:</b>	<ul style="list-style-type: none"> <li>▪ Bachelor's degree in Electrical, Computer Science, Chemical, or Mechanical Engineering</li> <li>▪ Five (5) years or more experience as an automation/controls engineer in an industrial environment</li> <li>▪ Previous experience with the Trans Alaska Pipeline System and/or relevant pipeline oil/gas experience</li> <li>▪ PLC system expertise including hardware, troubleshooting, and ladder programming (specifically Allen-Bradley Control Logix)</li> <li>▪ Distributed control system PCU and HMI expertise including hardware, systems, function codes, composer configuration tools (specifically ABB/Bailey DCS)</li> <li>▪ Proficiency in Visual Basic, C/C++ and/or Boolean Logic programming (Windows GUI programming experience desirable)</li> <li>▪ Electronic interfacing including analog and digital plus RS232/RS422 communications and handshaking</li> <li>▪ Knowledge and ability to identify and apply appropriate operational risk analysis techniques (HAZID, HAZOP, Event Tree, Fault Tree, etc.)</li> <li>▪ Working knowledge of safety system function selection and application within a rated safety system (ISA 84.01/IEC-61511)</li> <li>▪ Experience with remote control room operation with demonstrated ability to develop, analyze, and modify operating procedures</li> <li>▪ SCADA/HMI system interface and alarm management experience</li> <li>▪ Data Historian experience (OSI PI)</li> <li>▪ Database programming, management and interfacing (Oracle, SQL, Access)</li> <li>▪ Registered Professional Engineer</li> </ul>
<b>Accountabilities and Specific Requirements:</b>	<p><i>Under general direction of the Engineering Supervisor, the Automation Engineer is accountable for the following:</i></p> <ul style="list-style-type: none"> <li>▪ Accountable for all design engineering functions related to process automation, data acquisition, and operator/controller interfaces</li> </ul>



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	<ul style="list-style-type: none"> <li>▪ Ensure reliable operations of control systems to include: pipeline control, safety shutdowns, metering, loading, tank control, power generation control, turbine generators, air/vapor compressors, and vapor incineration</li> <li>▪ Participate in Process Hazard Analysis (PHA), Layers of Protection Analysis (LOPA), and recommend process designs and changes as it applies to automated components</li> <li>▪ Help ensure all major upgrade work and projects are satisfactorily designed and implemented from an Automation and Operations perspective</li> <li>▪ Ability to quickly learn and understand pipeline operation, hydraulics, and process control to a level that allows application to review/approval of process design, process safety impacts, and operations impacts</li> <li>▪ Make sound engineering decisions and recommendations without the benefit of supporting resources</li> <li>▪ Identify problems affecting operations, recommend solutions and work with Maintenance and/or projects to assure appropriate implementation</li> <li>▪ Solicit support from other engineering teams as needed</li> <li>▪ Support facility start-ups, shutdowns, and other unusual operations</li> <li>▪ Support Operation and Maintenance with investigations of equipment failures</li> <li>▪ Understanding of regulatory requirements for pipeline control and communication system</li> <li>▪ Field travel, as needed, to support work efforts</li> <li>▪ Provide a week of 24/7 "on call" support once every four weeks (rotates through team)</li> </ul>
<p><b>Knowledge, Skills and Abilities:</b></p>	<ul style="list-style-type: none"> <li>▪ Logical thinker who is multi task oriented, well organized, and efficient at information processing</li> <li>▪ Able to consistently make critical decisions quickly and correctly</li> <li>▪ Integrates well in teams and presents complex ideas to a wide audience in an understandable way</li> <li>▪ Identify and resolve non-routine and complex problems</li> <li>▪ Coordinate changes between Operations, Maintenance, and Engineering organizations to achieve results.</li> </ul>
<p><b>Contributor Level</b></p>	<p>Individual Contributor</p>
<p><b>TAPS Safety Culture</b></p>	<p><b>Act With Discipline</b> Be prepared to work and arrive to work rested. Complete all pre-job planning steps. Complete all training and qualifications. Follow all required processes and procedures and use the right tools for the job. Complete all post-work activities.</p> <p><b>Take a System View</b> Assess how a task can impact others, seek input, and make all necessary notifications.</p> <p><b>Make Sound Decisions</b> Involve the right people at the right time. Identify if conditions change and act accordingly.</p> <p><b>Learn, Improve, Innovate</b> No task on TAPS is routine; be alert to emerging risks. Communicate hazards and share lessons learned from past experiences.</p> <p><b>Speak Up, Step Up</b> Alyeska fully supports the authority of every TAPS worker to speak up, take action, and stop work, regardless of role or responsibility. Participate in developing and implementing solutions.</p>
<p><b>Pre-Employment Drug Screen Testing</b></p>	<ul style="list-style-type: none"> <li>▪ Alyeska Pipeline Service Company (APSC) requires pre-employment drug testing utilizing hair test collections for all positions. The preferred collection site is from the head (approximately 1/2 inch of hair length necessary). Head hair testing provides an approximate 90 day window of detection that checks for drug use. In addition, for Department of Transportation covered positions, APSC will also utilize urinalysis testing. Any drug test makes you ineligible for APSC employment.</li> <li>▪ It is important to note that APSC does not seek or accept any genetic information as part of the hair testing procedure or any other process that could directly or inadvertently provide genetic information (family medical history).</li> </ul>



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<b>Employment Verification using E-Verify</b>	<ul style="list-style-type: none"><li>▪ Federal Law requires all employers to verify identity and employment eligibility of all persons hired to work in the United States. Alyeska Pipeline Service Company participates in E-Verify.</li><li>▪ E-Verify is an Internet-based system that compares information from an employee's Form I-9, Employment Eligibility Verification, to data from U.S Department of Homeland Security and Social Security Administration records to confirm employment eligibility. <a href="http://www.dhs.gov/e-verify">http://www.dhs.gov/e-verify</a></li></ul>
<b>TWIC</b>	<ul style="list-style-type: none"><li>▪ The Alyeska Valdez Marine Terminal (VMT) is a regulated facility, and the employee hired to work on the VMT or to provide emergency support or other approved work for the VMT will be required to have a Transportation Worker Identification Credential (TWIC). For more information about this Federal credential access the Web site listed below. The successful candidate for this job will be notified if a TWIC will be required and will then be responsible for enrolling and obtaining a TWIC prior to their hire date. <a href="http://www.tsa.gov">http://www.tsa.gov</a></li></ul>

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**Alyeska Pipeline is a drug-free and alcohol-free workplace.**

**Apply on-line at [www.alyeska-pipe.com](http://www.alyeska-pipe.com)**