



Professional Opportunity

Safety Engineer

Job Description

Alphaport, Inc. has an opening for a Safety Engineer onsite at a NASA client facility in Cape Canaveral, FL. This full-time position is responsible for design, development, implementation, and analysis of technical products and systems.

Key Responsibilities

- Conduct safety analyses and assessments of selected design, testing, operational, or flow processing problems involving safety issues, and prepare reports of findings. These assessments may include hazard analyses, hazard worksheets, fault trees, probabilistic risk assessments, and hazard reports.
- Provide safety expertise and technical support to selected investigation boards.
- Review and evaluate existing, new, or revised hazard reports prior to Government Safety approval to ensure the correct engineering technical data and risk assessments have been provided and prepare KSC hazard reports or updates in accordance with policy and regulations.
- Support safety activities and areas such as, but not limited to, OSHA compliance, facility inspections, construction safety, high pressure safety, explosives, mishap investigations, job hazard analyses, and safety awareness products.
- Performs engineering design evaluations. May develop a range of products. Recommends alterations to development and design to improve quality of products and/or procedures.

Requirements

- Knowledge of commonly-used concepts, practices, and procedures within the aerospace/engineering/safety and/or mission assurance arena.
- Maintain status of hazard reports and prepare and support processing of change requests for all KSC hazard reports.
- Review ground support equipment safety analysis reports, procedures, and hazard reports to ensure the correct engineering technical data and risk assessment have been provided.
- Participate in Safety Panels and Boards and develop review item dispositions.
- Review safety and reliability assessments (e.g. System Assurance Analyses (SAAs), Ground Phase Safety Review Packages, Missile System Pre-launch Safety Packages, CILs) submitted by operational contractors, prepare technical critique for safety impacts, and support the appropriate review forums related to these assessments.
- Support the planning for, and introduction of, selected hardware and software systems into the KSC flow process, review trade studies, technical reports, requirements documentation, and hazard analyses, and provide safety impact assessments.



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- Support specialized engineering areas such as pressure vessel certification, propellants, ordnance, lifting devices, both ionizing and non-ionizing radiation, and cryogenics.
- Develop safety metrics and report trends and summary results.
- Perform operational safety inspections and assessments and report results.
- Ensure all operational controls identified in safety and reliability analyses have been flowed into operational requirement documentation and procedures.
- Conduct human factors analyses that identify sources of human error.
- Support compliance activities with 29CFR1910, Occupational Safety and Health Standards, and 29CFR1926, Safety and Health Standards for Construction.

Education and Work Experience

- Minimum BS degree in Engineering or Science
 - Eight years of directly related experience may be substituted for a BS degree

Physical Requirements

Kneel, crouch, and manipulate (lift, carry, move) light to medium weights of 10 to 20 pounds. Requires good hand-eye coordination, arm, hand and finger dexterity, including ability to grasp, and visual acuity to use a keyboard, operate office equipment, and read information on spreadsheets and reports. The candidate frequently is required to sit, reach with hands and arms, talk, and hear.

Alphaport, Inc. is an equal opportunity employer. Qualified applicants will be considered without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality, sex, or veteran status.

Due to contract requirements, U.S. citizenship is required to obtain access to government facilities and systems.

Local candidates only (Cape Canaveral, FL area). No relocation.

To express your interest in this position, please contact Human Resources at hr@alpha-port.com.