Position Title: Risk Assessment & Reliability Lead
Location: Remote

About Us As an emerging leader in nuclear engineering, our startup is developing revolutionary reactor technology to secure safe and abundant energy for future generations. We are seeking a highly motivated Chemical Engineer III to join our dynamic team and help us develop new molten salt technologies needed for our reactor design.

Job Summary This position reports to the Director of Nuclear Safety and Licensing. The Risk Assessment & Reliability Lead is responsible for all efforts related to a risk-informed and performance-based approach to licensing and safety analysis. This individual will hold a key position on the PIRT development team and will take the lead on all efforts related to PRA, FMEA and event trees. The lead will also be responsible in setting up reliability analyses and data bases to support a maintenance program and programs to protect the reliability of safety related equipment.

Key Responsibilities

- Lead the development of risk assessment and reliability methodologies
- Develop and grow the risk assessment and reliability discipline
- Support the PIRT development efforts
- Develop PRA and other risk-informed performance-based efforts
- Work cross functionally with licensing to support the programmatic development for the treatment of important non-safety systems
- Work with engineering to develop a reliability assessment program for safety structures, systems, and components, and to assist in the development of a preventative and predictive maintenance program

Minimum Qualifications

- BS in Nuclear / Mechanical Engineering from an accredited university
- At least 10 years of nuclear industry experience
- At least 5 years of risk-informed performance-based experience

Preferred Qualifications

- Advanced degree in nuclear or mechanical engineering from an accredited university
- At least 15 years of nuclear industry experience
- At least 10 years of risk-informed performance-based experience
- Experience in lead roles

Fissionaire's technology is subject to U.S. export control regulations, which require the company to review applicants' eligibility based on their citizenship or residency status. As part of the application process, candidates will be asked to indicate whether they are a U.S. citizen, green card, lawful permanent resident, asylee, or refugee resident to support this review. Because government authorization timelines can vary, Fissionaire is unable to consider alternate resident statuses where required approvals may not be obtainable within a timeframe that meets business needs.

What We Offer:

- Competitive salary with equity options
- Comprehensive benefits, holiday and PTO schedule
- Opportunity to shape foundational operations in a groundbreaking nuclear startup

Fissionaire is an Equal Opportunity Employer that does not discriminate on the basis of actual or perceived race, colour, creed, religion, national origin, ancestry, citizenship status, age, sex or gender (including pregnancy, childbirth, pregnancy-related conditions, and lactation), gender identity or expression (including transgender status), sexual orientation, marital status, family or relationship structure, military service and veteran status, physical or mental disability, genetic information, gender identity, or any other characteristic protected by applicable federal, state, or local laws and ordinances. Fissionaire's management team is dedicated to this policy with respect to recruitment, hiring, placement, promotion, transfer, training, compensation, benefits, employee activities, access to facilities and programs, and general treatment during employment.

Benefits:

- Dental insurance
- Health insurance
- Life insurance
- Paid time off
- Vision insurance