

Posting Number: 2024-004

Job Title: Principal Engineer (Multi-Discipline Mechanical, Electrical, Civil or I&C)

Location: Richland, WA

Employment Category: Full-Time Salaried and Part-Time Positions Available

Job Summary: Lead an engineering team in support of various projects for Lucas's clients at the Department of Energy (DOE) Hanford Site on nuclear facility projects as well as various commercial industrial projects. Will oversee the work of other Engineers. Oversees and plans conventional design engineering and analysis. Supports independent evaluation, selection, and adaptation of engineering techniques, procedures, and criteria.

Duties/Responsibilities may include dependent upon specific projects:

- Senior-level engineer that has the capability and/or demonstrated ability to lead a small engineering team.
- Provide hands-on development of engineering design and calculations within their respective discipline and be able to provide engineering checks of the work of other engineers.
- Providing technical guidance and mentorship.
- Implement and maintain coding standards and best practices, conduct code reviews and ensure the team adheres to Lucas's engineering standards.
- Support the development of project functions and requirements documents.
- Support the development of project alternative analysis.
- Lead the engineering design of materials handling, HVAC, process mechanical, electrical, I&C, and civil infrastructure systems from conceptual design through final design.
- Lead to the development of specifications for fully detailed, issued for fabrication / construction designs.
- Support field engineer activities, including fabrication and the preparation of red-line and as-built drawing incorporation.
- Support to failure modes and effect analysis, proper descriptions of attributes and characteristics using standard quality clauses and enhanced/engineered quality provisions.
- Lead constructability reviews at all levels of design.
- Lead the resolution of Nonconformance Reports (NCR) or deficiencies report items.
- Provide oversight of construction, factory functional acceptance testing, and operational acceptance testing.

Required Skills/Abilities:

- Working level knowledge of national codes and standards for your discipline.
- 2+ years of experience leading a team of engineers.
- 5+ years of hands-on technical experience in design development.
- Excellent problem-solving, organizational, and leadership skills.
- Strong communication skills and ability to work collaboratively in a team environment.
- Experience in AutoCAD and 3D CAD programs a plus.

Education and Experience:

- Bachelor's degree in an engineering discipline with at least 15 years of engineering experience or an equivalent combination of relevant education and experience.
- A Master's degree in engineering or a professional engineering (PE) license may qualify for up to five (5) years of the minimum experience requirement.

Pay Ranges:

Category	Pay Range
Principal Engineer	\$140,000 - \$180,000