

Electrical Engineer
Full Time Position
Clean Tech Company
Denver, Colorado
Salary Range \$90,000 to \$120,000/year



Opportunity Summary:

Starfire Energy is a clean energy company that walks the walk. We are a Colorado Public Benefit Corporation. Our focus is the generation of carbon-free ammonia (NH₃) and derived fuels. We have a proprietary and flexible process for making ammonia from air, water, and clean energy. Our ammonia cracker then produces an ammonia-hydrogen blend fuel or pure hydrogen. The emissions from ammonia fuel are nitrogen and water. We are providing a completely CO₂-free way to make and use fuel for long term energy storage, transportation, and heat applications.

As a high-growth, start-up organization, we offer the unique opportunity for you to contribute in many facets of the business and advance your career. You will enter a small, dynamic company that is executing aggressive growth, and you will help commercialize clean technologies that will become a part of the world's energy infrastructure. We value creativity and integrity and we plan for sustainability in all that we do.

The Electrical Engineer is responsible for the electrical design, development, and operation of electrical systems used in a renewable energy industry. The engineer will work with cross functional teams to develop, test and implement these systems into Starfire Energy's ammonia production projects. The ideal candidate will have demonstrated skills in electrical design, power budgeting, controls and instrumentation, and data analysis in both start-up and large corporate environments.

This position is not eligible for work visa (H-1B), and successful applicants must be fully vaccinated and boosted against COVID-19.

Essential Job Duties:

- Adapting power budgeting constraints at system-level, building-level, and manufacturing scales
- Responsible for the design of Starfire's electrical systems.
- Supports electrical architecture and ensuring proper safety standards are followed.
- Follows and improves design processes, including system design, reviews and documentation.
- Responsible for reviewing test results, analyzing data, and proposing possible improvements.
- Functioning as an independent engineer when constructing and wiring prototype systems.
- Ultimately, support the scale-up and wide-scale manufacturing of ammonia production systems.
- Other duties as assigned.

Requirements:

- BS in Electrical Engineering, with a focus on power distribution.
- 5-10 years of experience as an electrical engineer.
- Familiarity with sensor instrumentation, power equipment, and common electrical equipment.
- Hands-on lab skills in assembly, prototype and test environments.
- Familiarity with the selection of instrumentation and control equipment.
- Demonstrated problem solving and troubleshooting skills.
- Office software skills (document, spreadsheet, and presentation).
- Willingness to work in an Ubuntu GNU/Linux computing environment.
- Experience with NEC and IEEE Standards

Additional beneficial skills/experience:

- PE Registration in Colorado, or the ability to acquire within 12 months.
- Knowledge of Electrical Hazard Classification (EHC), Process Hazard Analysis (PHA), Piping and Instrumentation Diagrams (P&ID) & Process Flow Diagrams (PFD).
- Experience in a chemical processing environment, especially higher pressure and hydrogen-based applications
- Excellent critical thinking skills
- Strong teamwork skills
- Ability to function and thrive in a startup environment.
- Ability to self-direct and drive to aggressive milestones
- High attention to detail
- Solid interpersonal skills
- Desire to learn with high adaptability

Hiring Manager:

Electrical, Instrumentation and Controls Engineering Manager

Starfire Energy is committed to hiring and retaining a diverse workforce. We are proud to be an Equal Opportunity Employer, making decisions without regard to race, color, religion, creed, sex, sexual orientation, gender identity, marital status, national origin, age, veteran status, disability, or any other protected class.