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Engineering Manager at Enspired Solutions

Are you looking for an opportunity to be an entrepreneur and help commercialize an innovation that will improve the environment, water quality, and quality of life for all? Do you want to be a leader in a company that is committed to sustainability, protecting the environment, and supporting a diversity of people in science, technology, and engineering careers? If so, then read on about a new opportunity as Engineering Manager at Enspired Solutions.

About Enspired Solutions

Enspired Solutions is a women-owned and women-led startup established to tackle one of the most pressing environmental issues worldwide. Per- and polyfluoroalkyl substances (PFAS) are a group of synthetic chemicals that have been widely used for more than 60 years to make firefighting foams, coatings, and lubricants. PFAS are known to be toxic and, due to their high stability in natural environments, they are also called "forever chemicals." Existing treatment technologies capture PFAS for disposal elsewhere. These disposal methods risk re-introducing PFAS into the environment. Enspired Solutions is commercializing a USEPA-award winning, patented chemical technology to

permanently destroy PFAS in water and return them to non-toxic molecular components without the need for off-site disposal. We call our technology the  PFASigator™ and foresee that it will become an in-demand water treatment technology.

Our small startup company is set to expand rapidly and we need an engineer experienced in water treatment, treatment systems or remediation to join our diverse team and help strengthen our expertise in field integration and application of water treatment equipment in the best way possible.

Responsibilities for Engineering Manager

The Engineering Manager will have primary responsibility for engineering project management and work closely with the Chief Technology Officer in new product development & improvement and new technology acquisition. The Engineering Manager will also fulfill the following responsibilities:

- Preparing proposals, schedules and cost estimates for delivery, commissioning, and maintenance of the PFASigator™
- Safely delivering high quality projects within budget and schedule
- Collaborating with customer engineers and plant operators to successfully integrate the PFASigator™ into existing systems
- Managing and developing good relationships with subcontractors, vendors, external consultants, and other resources
- Providing technical & management oversight of PFASigator™ testing and commissioning at field sites
- Leading cross functional teams in resolving complex technical issues in field, factory or lab (product and processes)
- Troubleshooting to define root cause, sometimes remotely with field staff or customers
- Developing and implementing site-specific Health and Safety Plans
- Establishing a quality assurance program for safe and efficient delivery, commissioning, and

maintenance of PFASigator™, including training and auditing, to deliver optimal performance and client satisfaction

- Ensuring meticulous documentation of testing, maintenance, and performance details
- Ensuring engineering standards (internal and industry) are followed
- Providing excellent customer service
- Maintaining confidentiality of sensitive customer and company information
- Managing a group of field staff to safely execute engineering operations and overseeing their professional development
- Communicating engineering activities, project status, challenges and successes through regular updates to the executive management team
- Remaining up to date on relevant related technologies that could improve our product or future products (e.g. improve energy and cost efficiency, manufacturability, overall performance)
- Working closely with the CTO and fabricator on improving and optimizing the PFASigator™ and developing & commercializing new products
- Supporting marketing efforts by attending pre-bid walks, conferences, trade shows and meetings
- Developing and implementing Continuous Improvement programs related to engineering, including both short and long-term improvements, with and without capital investment

Qualifications for Engineering Manager

The ideal candidate will have a background in treatment system design and installation, water treatment, plant management, remediation, or other related fields, and:

- BS degree in Engineering (chemical, environmental, civil or other relevant) and at least 8 years of industry experience required
- Working knowledge of engineering principles and practices that allow candidate to develop and apply creative technical solutions to complex problems
- Proven success in managing field engineering projects, including meeting project goals and key performance indicators
- Proven success in troubleshooting, developing and applying solutions to unexpected problems
- Proven success in team leadership and mentoring field and engineering staff
- Experience with meeting environmental regulations
- Demonstrated ability to present complex data to a variety of audiences in oral and written reports
- Optional: experience commercializing a novel technology

Essential Skills and Qualities

- Ability to thrive in small company/startup culture including innovation, high energy, bursts of super-high energy, and dynamic priorities
- Recognize and support the value of diversity in persons, ideas, and communication styles
- Collaborative
- Problem solver
- Self-motivated and able to work independently
- Safety-minded
- Detail-oriented
- Able to adapt to rapid company growth
- Good interpersonal and communication skills
- Ability to make and implement decisions

This salaried position is fulltime, and our office and lab are located in East Lansing, Michigan. Travel throughout Michigan and the US is expected for this position. Work on hazardous waste sites is expected.

We welcome and consider qualified applicants regardless of gender identity, sexual orientation, race, religion, age, national origin, citizenship, pregnancy status, veteran status, or any other differences.