

Manufacture & Maintenance Engineer

RedZone

ROBOTICS

Full job description

Redzone Robotics delivers high-performance pipeline inspection products and services for municipalities, contractors, and engineering firms across North America. We combine world-class robotic inspection technologies with sophisticated data analytics software to generate truly powerful and useful information that municipalities worldwide require to reduce spending and negative environmental impacts.

RedZone Robotics is looking for a Manufacture & Maintenance Engineer to join our growing team and help push the bleeding edge robotics in the wastewater inspection industry. This individual will be responsible for providing manufacturing and maintenance support in component assembly, robotic assembly, and robotic operations, coordinating vendor/contract manufacturer interactions, and leading continuous improvement projects and initiatives. The ideal candidate will have experience with robotics, advanced sensor systems, and products designed for harsh environments.

This individual will thrive in an environment requiring strong problem-solving skills, independent self-direction, and an aptitude for team collaboration and open communication. The ideal candidate will be able to advocate for system improvements to company leadership and work closely with the Engineering teams to address issues before they reach our valued customers. They will also have experience in a fast-paced and innovative environment where needs and requirements can change rapidly.

Duties and Responsibilities include:

- Provide technical and engineering support for daily manufacturing or maintenance operations.
- Evaluate existing manufacturing and maintenance processes and lead continuous improvement projects to improve throughput, quality, and safety.
- Assist in the evaluation of engineering change requests and lead the implementation of approved engineering changes internally or at contract manufacturers.
- Lead the selection, inspection, and daily interaction of vendor and contract manufacturers.
- Interface with NPD engineering in coordinating the release of new products.
- Assist in product design, material selection, manufacturing process selection, and DFM/A (Design for Manufacturing and Assembly).
- Design and construct fixtures/tooling for processes or modify existing equipment as needed.
- Work well in cross-functional teams as well as independently.
- Interact and communicate with non-technical users.
- Support of legacy and current systems.
- Perform other duties as assigned.

Skills and Competencies:

- Experience evaluating and troubleshooting manufacturing and maintenance processes.
- Experience using CAD, PLM, ERP, data analysis programs, and related software.
- Hands-on experience with assembly and fixture design.
- Strong understanding of Engineering Change Management Process.
- Ability and willingness to provide support for legacy systems.
- Strong communication skills (written and verbal), ability to deliver messages concisely and effectively.
- Strong propensity to listen and ask the right questions of customers and the organization.
- Ability to build and maintain interpersonal relationships, and influence at all levels of an organization.
- Developing constructive and cooperative working relationships with others and maintaining them



over time.

- Proactively reach outside the primary area of responsibility to solve conflicts or issues.
- Capability to partner with company's leaders to understand & drive overall cross-functional and business needs.
- Experience working on an Agile development team is a plus.
- Learn quickly, adapt easily to changing technology/circumstances, and apply change management skills appropriately.
- The ability to tell when something is wrong or is likely to go wrong.
- Analyzing information and evaluating results to choose the best solution and solve problems.
- Identifying the underlying principles, reasons, or facts of information by breaking down information or data into separate parts.
- Ability to thrive in a cross-functional agile team.
- Self-motivated and proactive.
- Demonstrated creative and critical thinking capabilities.

Education and Qualifications:

- Bachelor's degree in Mechanical Engineering, Manufacturing Engineering, or related field of study.
- 4+ years' experience in overall development/technical support experience.
- Manufacturing process experience, ECR/ECN, DFM/A, CAD, trend analysis, QA/QC
- Ability to travel up to 10% or as needed.
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EQUAL EMPLOYMENT OPPORTUNITY

It is the policy of RedZone Robotics, Inc. to provide equal employment and advancement opportunities to all individuals and to administer its personnel practices based on merit, qualifications, and abilities. RedZone will maintain an environment free of discrimination or harassment based on actual or perceived race, color, national origin, religion, sex, sexual and reproductive health decision-making, age, actual or perceived physical or mental disability, genetic information, marital status, sexual orientation, gender (including gender identity or expression and/or the status of being transgender), military or veteran status, citizenship status, status as a victim of domestic violence, stalking, or sex offense, caregiver status, arrest or conviction record, credit history, unemployment status, or any other unlawful criterion or circumstance. RedZone prohibits and will not tolerate any such discrimination or harassment, or retaliation in response to good faith reports or the provision of information about such discrimination or harassment.

Job Type: Full-time

Benefits:

- 401(k)
- 401(k) matching
- Dental Insurance
- Employee assistance program
- Flexible schedule
- Health insurance
- Health savings account
- Life insurance
- Paid time off
- Professional development assistance
- Referral program
- Vision insurance

Schedule:

- 8 hour shift
- Day shift

Work Location: In person



