



Mechanical Engineer

H3D, Inc. seeks a full-time mechanical engineer to join our fast-paced team immediately. Responsibilities will include design, manufacturing, and testing of rugged mil-spec instruments. The successful candidate will be able to work closely with our mechanical team and detector scientists to create elegant, manufacturable products in a short time period. This position will include some hands-on duties, so strong mechanical aptitude and familiarity with tools is strongly desired.

Prerequisites:

1. Bachelor's degree in Mechanical Engineering or equivalent
2. 5-10 years of experience in a related engineering role with an emphasis on mechanical design or testing
3. Significant experience with SolidWorks
4. Ability to create new and interpret existing geometric drawings / models. GD&T Literate
5. USA Work Authorization
6. Ability to travel occasionally

Job Description:

This position will support H3D's product development projects. The hire will be intimately involved in the full product-design process - from initial concept all the way through manufacturing and field-testing support. Duties will include:

- Create CAD models and detailed part designs to support prototype and production
- Implement creative solutions to mechanical design problems
- Integrate electronics solutions from our circuits team
- Generate manufacturing drawings for designed parts
- Interface directly with suppliers to procure machined components and electronics assemblies
- Assist in prototype assembly, testing, and troubleshooting
- Implement design revisions as a result of assembly & testing issues

The ideal candidate will be capable of taking ownership of assigned tasks and run them to ground with minimal supervision. She or he will be joining a small hard-working team that is pushing the limits of available technology to create truly groundbreaking gamma-ray detection systems.



About Us: H3D commercializes CZT-based 3D radiation-imaging technologies for nuclear power plant, defense, homeland security, and medical applications. We seek to provide our customers with the highest performance and most user-friendly instruments possible. A 2011 spinout from the University of Michigan, we have three times been awarded the SPARK FastTrack award for impressive growth and have performed sponsored research for the DoD, DoE, NIH, NIST, and others. We currently ship products to nuclear power plants, first responders, and research labs around the world.

Please email a cover letter and resume to H3D, Inc. at HR@h3dgamma.com. H3D, Inc. offers an attractive benefit package that includes health insurance, paid holidays and vacation, and a competitive 401(k) plan. H3D is an equal opportunity employer. All qualified women, minorities, disabled, and veterans are encouraged to apply. Work will occur at our Ann Arbor, Michigan office. Visit our website at <http://www.h3dgamma.com>.