



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+ 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 ruggedized military vehicle-mounted sensor 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 performed sponsored research for the Defense Threat Reduction Agency, the Department of Energy NA-22, and the National Institutes of Health. We currently ship Polaris-H™ to nuclear power plants and research labs around the world, and we have several additional product variants in the development pipeline or undergoing customer feedback trials.

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, a competitive 401(k) plan, and pizza once a week. 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>.