

Mechanical Engineer

DeltaTech Controls is a leading global supplier of operator interface control solutions for off-road vehicle OEM's. Core products include vehicle electronic control systems, electronic joysticks, multi-function grips, and electronic displays. We have an exciting opportunity for an outgoing, self-motivated individual to join our team in the role of **Mechanical Engineer**.

Responsibilities will include;

- Project lead driving all mechanical, electrical and software program issues with responsibility for program success from concept through production release.
- Produce detailed engineering analysis for static and dynamic electro-mechanical systems including tolerance analysis, load capacity, wear and fatigue.
- Develop supporting design documentation including DFMEA.
- Responsible for DFM with vendors and manufacturing team and PPAP approval of newly tooled components.
- Produce test plans and perform design verification testing to ensure adherence to product specification. Familiarity with SAE 1455 for environmental requirements is a plus.
- Ability to demonstrate understanding of basic design principles and performance of classical engineering analysis through calculations, computer simulation, data analysis and data interpretation.
- Understanding of design principles for injection molded plastic parts including material properties.
- Internal and external customer technical presentations to ensure that the product being developed will meet customer expectations.
- Development of engineering project plans using M.S. Project.
- Estimating of project development costs including mechanical portion of unit cost, development labor, material, tooling and fixture costs

Qualified candidates must possess;

- BS in Mechanical Engineering
- 7 years of related engineering work experience
- Demonstrated understanding of plastic injection molding and associated material properties
- Understanding of the science of friction and wear on plastic injection molded parts
- Excellent written, verbal and presentation skills and a proven ability to successfully lead projects.
- Proficient user of Microsoft Project, Excel, and PowerPoint
- Pro/E Cad experience highly desirable.
- Experience with contactless sensing technology is a plus.
- Knowledge of construction / off road vehicles is a plus.
- Working knowledge of TS16949 design and quality principles is a plus.

Qualified candidates may submit their resume with salary requirements to;

DeltaTech Controls
Attn: Human Resources
5288 Valley Industrial Blvd. S.
Shakopee MN 55379
Fax: 952-233-9755
Email: resume.submissions@deltatechcontrols.com