

# ELECTRICAL ENGINEERING

DESIGN FOR HARDWARE, SOFTWARE, & CUSTOM LOGIC

GS Engineering utilizes diverse engineering talent with aviation and electronics backgrounds to provide customers with advanced engineering services. We provide high quality solutions for fast turn projects with specialization in hardware and embedded systems, intelligent systems, and test systems.

## HARDWARE & EMBEDDED SYSTEMS

- Avionics Integration & Verification
- Processor & PLD Design
- Circuit Card Design
- Certification
- Hi-speed & Signal Integrity Design
- Data Acquisition

## INTELLIGENT SYSTEMS

- Electrical Circuit Load Auditing
- 3D Harness Routing
- Detailed Flat Harness Drawings
- Battery Management
- Systems Integration
- Custom Solutions

## TEST SYSTEMS

- Systems Test
- Functional Test
- Performance Test
- Failure Analysis
- EMI/EMC
- Validation/Verification

Our streamlined processes achieve short turn around design-build solutions for vehicles, aircraft, and heavy equipment.

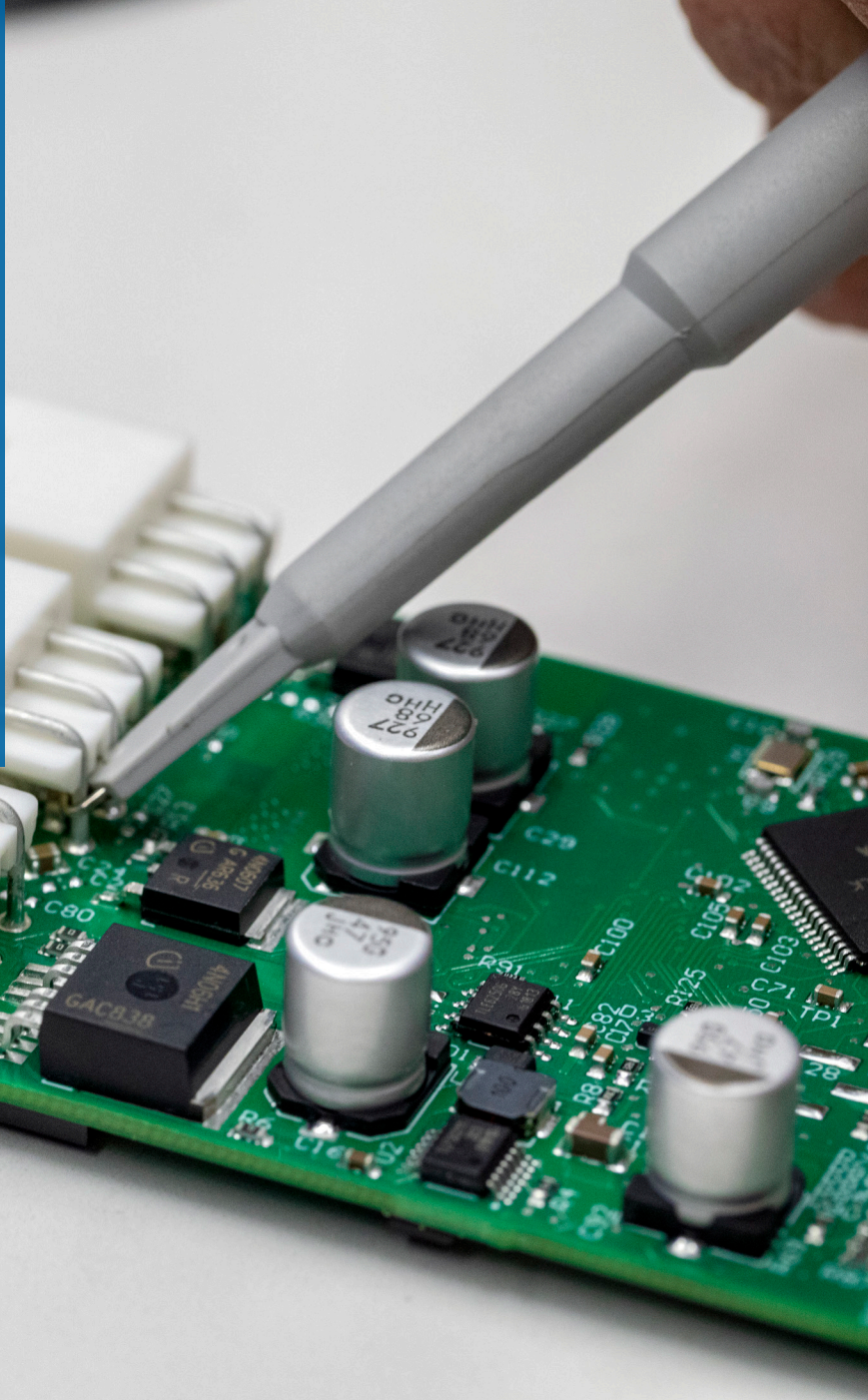
We keep the objectives, requirements, and deadlines in clear view, with our multi-disciplinary teams working hand-in-hand.



As an agile small business, GS Engineering is easily integrated with your project team to bring innovation and problem solving to enable realization on your product line. Our expertise includes military and commercial projects for air and ground based electronics.

### UNIQUE MIX OF INDUSTRY EXPERTISE

With an array of skill sets from mechanical systems and analysis to embedded systems and software, GS Engineering provides robust solutions that bring innovation to your product.



### DIVERSE SET OF SKILLS FOR BROAD EXPERTISE

- Provides whole system or individual complex component design
- Integrate into customer's existing infrastructure
- CATIA, Siemens NX, MentorGraphics, Altium, SolidWorks, AutoCAD, CREO, etc...
- System architecture, from cable harness design to PCB design and systems integration

### MORE INFORMATION:

[gsengineering.com/capabilities/design-engineering](http://gsengineering.com/capabilities/design-engineering)



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**INNOVATION. REALIZED.**