

Clients benefit from our engineering teams diverse experience in aviation, vehicle design, manufacturing, and electronics to solve difficult challenges. Specializes in digital simulation, hardware and embedded systems, intelligent systems, and test systems delivering innovative product solutions.

Clients objectives, requirements, and deadlines are in clear view, of our multi-disciplinary teams working together to ensure their met.

## HARDWARE & EMBEDDED SYSTEMS

- Avionics Integration & Verification
- Microcontroller
- Programmable Logic Device Design
- Circuit Card Design
- Certification
- Hi-speed & Signal Integrity
- Data Acquisition

## DIGITAL SYSTEMS

- Modeling & Simulation
- Software & Hardware Integration
- Algorithm Development
- Digital Engineering
- Control Integration
- System Engineering
- Design for MIL-STD-810 & 461

## INTELLIGENT SYSTEMS

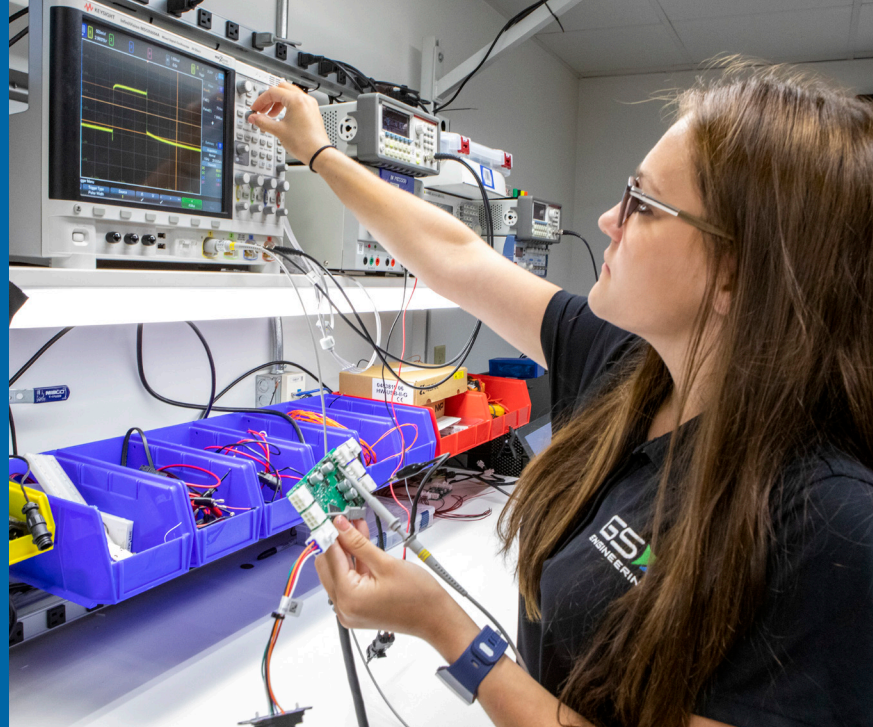
- Electrical Circuit Load Auditing
- 3D Harness Routing
- Battery Management
- Systems Integration
- Custom Solutions
- Control Systems

## TEST SYSTEMS

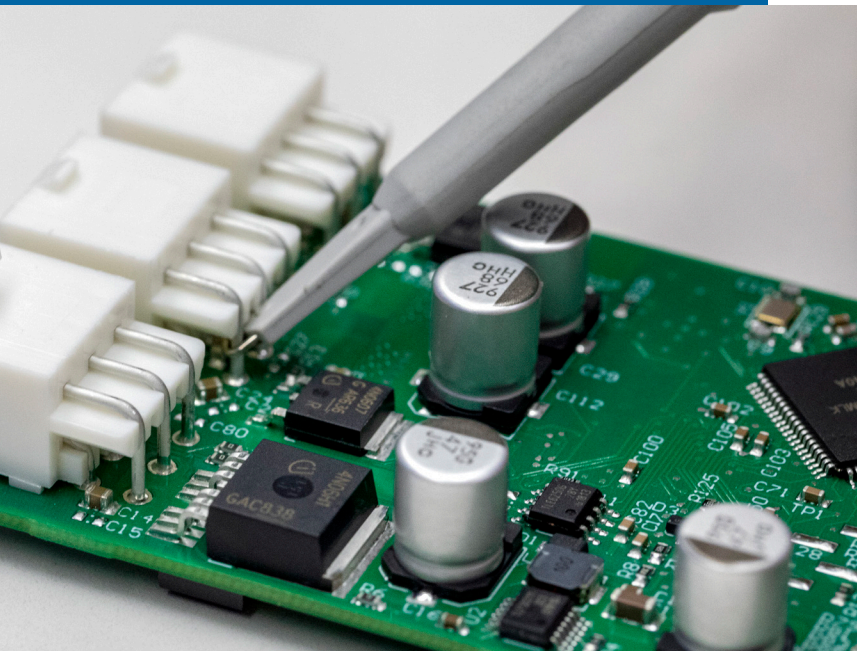
- Systems Test
- Functional Test
- Performance Test
- Performance Evaluation
- Failure Analysis
- EMI/EMC
- Validation/Verification

## DEVELOPMENT THROUGH SIMULATION

Bring simulation to life whether integration of vehicle controls or sensor simulation to classifying a field of view; by integrating hardware and software into digital environments we bring the functionality needed to capture stakeholder's feedback ensuring safety and seamless functionality upon delivery.



Clients have come to rely on our data acquisition, control systems, low level electronics, and automated test equipment services. With a unique understanding of mechanical systems that utilize sensors and controls, GS Engineering offers integrated electrical and mechanical design, providing full system functionality that integrates seamlessly both physically and digitally.



## DIVERSE SET OF SKILLS FOR BROAD EXPERTISE

- CATIA, Siemens NX, MentorGraphics, Altium, SolidWorks, AutoCAD, CREO, etc...
- Provides whole system or individual component design
- Integration into existing infrastructure
- System architecture, from cable harness design to PCB design and systems integration
- Software development for embedded systems, test and simulation