

Phone: 480-232-4831  
FAX: 480-820-0280  
Email: [John.Hiett@hr5consulting.com](mailto:John.Hiett@hr5consulting.com)  
Tempe, AZ 85283

## **LICENSED PROFESSIONAL ENGINEERING (PE) SERVICES**

Because we are a small firm of highly experienced licensed Professional Engineers, we are cost effective with very little overhead.

We take on the small projects that the big firms will not take on. We provide high quality work in short order, and if we can't serve you, we will find someone that will.

HR5 Consulting, LLC provides state authorized licensed Professional Engineering (PE) services in the State of Arizona for electrical engineering projects located in or to be shipped to Arizona, as well as technical consulting services worldwide.

Given your requirements and objectives, we help develop and generate approved and certified systems that can be submitted to the state of Arizona Department of Fire, Building and Life Safety as approved under Arizona Law for work required by Arizona state registered professional engineers, as well as per specifications of the local Arizona county, or Arizona city jurisdictions where your project resides. See PROFESSIONAL ENGINEERING (P.E.) SERVICES section for specific services provided.

## **ABOUT US**

John H. Hiett, PE is the principle electrical PE and owner of HR5 Consulting, LLC. He received a bachelor's degree in electrical engineering with honors (Magna cum Laude) from the University of Arizona in 1992 and a master's degree in electrical engineering from Arizona State University in 1997. John has over 18 years of electrical engineering experience, with a broad background in electrical, electronic, systems, & software for avionics projects for companies such as Honeywell and Boeing as well as aerospace designs for NASA and DOD that included areas of communications, controllers, motors, robotics, radars, sensors, embedded software, electronic hardware, electrical power systems, as well as medical technology. He also has experience in intellectual property / patent development and is an inventor/co-inventor of nine U.S. Patents. John has experience in serving as an expert witness, testing, patent infringement analysis, Rule 26 (Federal Rules of Civil Procedure) Reporting, and forensic services.

Part of the growth plan for HR5 Consulting, LLC is to hire and/or partner with more licensed Professional Engineers to broaden our horizons and expand our engineering base. We currently coordinate with other specialized firms to get specific jobs done, if necessary.

Thank you for considering us for your needs!

HR5 Consulting, LLC  
Tempe, AZ 85283

Office: 480-232-4831  
FAX: 480-820-0280

e-mail: [John.Hiett@hr5consulting.com](mailto:John.Hiett@hr5consulting.com)

Website: [www.hr5consulting.com](http://www.hr5consulting.com)

Phone: 480-232-4831  
FAX: 480-820-0280  
Email: [John.Hiett@hr5consulting.com](mailto:John.Hiett@hr5consulting.com)  
Tempe, AZ 85283

## **PROFESSIONAL ENGINEERING (P.E.) SERVICES**

### **ELECTRICAL ENGINEERING**

- Avionics (RTCA: DO-254, DO-160, DO-178B)
- Rule 26 Reporting (Federal Rules of Civil Procedure: In the Interest of Full Disclosure), Testing, Sealed (Arizona) Professional Engineering Release for Expert Opinion
- Expert Witness, P.E.
- Forensic Consulting Services for Government, Lawyers/Attorneys, & Insurers
- Safety Analysis
- Testing, Product Tear Down & Analysis
- Failure/Fault Analysis, Failure Mode Effect Analysis (FMEA), Fault Tree Analysis (FTA)
- Electrical Failure Analysis / Control System Failure Analysis
- Electrical Power Distribution Systems, Low, Medium, and High Voltage
- Electrical Load & Short Circuit Analysis
- Lighting Systems
- Navigation Systems
- Marine Electrical/Electronics
- Alarm Electronics Security & Life Safety Systems
- Critical Life Systems, Hospitals, Fire, Traffic, & Transportation Control Systems
- Motor Controllers
- Pumping Stations
- Communication Systems
- Radar
- RF (Radio Frequency)
- Robotics

### **GENERAL TECHNICAL SERVICES**

- CAD Services
- Software
- Control Systems
- Embedded Systems
- General Analysis
- Testing
- Patent Consulting / Intellectual Property
- Patent Development
- Patent Prior Art Searching
- Patent Drawings
- Patent Infringement
- Product Analysis

HR5 Consulting, LLC  
Tempe, AZ 85283

Office: 480-232-4831  
FAX: 480-820-0280

e-mail: [John.Hiett@hr5consulting.com](mailto:John.Hiett@hr5consulting.com)

Website: [www.hr5consulting.com](http://www.hr5consulting.com)