

Hardware Embedded Solutions

Delivering comprehensive electrical design, integration, and support solutions across diverse industries.

Industries Served

Automotive & Powertrain

Design complex electrical systems and wiring harnesses for vehicle systems and powertrain.

Aerospace & Defense

Development of mission-critical electrical systems for aerospace applications.

Medical Devices

Designing electrical systems with precision and compliance to medical industry standards.

Consumer Products

Electrical design services tailored to high-quality consumer electronics.

Marine

Electrical harness development for marine vehicles and vessels.

Why Choose Us?

Proven Track Record

Established success in executing projects for over twenty years across each of these industries.

Expert Team

Experienced engineers with expertise in Zuken E3, Creo 3D, and other advanced tools for precise electrical system design.

Focused on Reliability & Safety

Committed to delivering electrical systems that meet the highest industry standards for safety and reliability.



Our Services



Design & Development

IDEs & SDKs

- Keil
- Eclipse
- PlatformIO VsCode extension
- IAR Systems
- MPLAB X IDE
- ESP-IDF
- NRF SDK
- STM32 Cube SDK

PCB Design

- OrCAD (Cadence PCB Solutions)
- Altium Designer
- KiCad
- EAGLE

System Design

- Enterprise Architect
- MATLAB Simulink
- IBM Rhapsody

Manufacturing Support

Design to Manufacture, BOM Cost Estimation, Process Control Automation Hardware

Modeling & Prototyping

Prototyping Analysis

ORCAD, PSPICE, Mixed Signal, RF Design, Magnetics & Full 3D EM Simulation

Proof of Concept Reference Designs, Hardware Population & Fabrication

Testing & Validation

Firmware Testing and Code Quality

- CodeSonar
- PC Lint
- LDRA
- Vector Software
- Polyspace
- SonarQube
- Klocwork
- Coverity
- Helix QAC
- PVS Studio

Debugging and Profiling

- SEGGER
- Lauterbach
- GDB (The GNU Project Debugger)
- ARM DS Development Tools

Hardware Testing and Validation

- Tektronix
- Rohde & Schwarz
- Saleae
- Keysight
- Anritsu
- QOITECH
- Fluke

System Validation

- LabVIEW
- Vector
- dSPACE