Engineering Services

We have the expertise to match your needs.

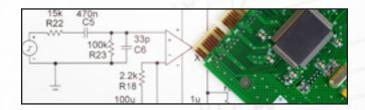


"Partners In Production"



Services

- Engineering Design From Concept to Production
- Control Systems
- Schematic Design
- Circuit Board Layout
- Re-engineering of Obsolete Schematic/Layouts/BOM
- Mechanical Engineering (CAD drawings and design)
- Automated Test Systems and Fixture Design





PCB, Hardware, Enclosures and Integration

Sensors

- Environmental
- Pressure/Fluid Dynamics
- **Power Management**

- HF, UHF, LF Frequencies
- Antenna Design & Tuning

Integration of Modular Manufacturers and Chipsets











Devices

SoM - SoC

Controls - Interface - Wireless Device Integration

Control Systems - Interface Design Technology

- Intelligent Motor Controls
- Encoders
- Closed/Open Loop
- Control Algorithms/PID

Device Integration

- Graphical Display with Touch Screen
- 8-32 Bit Embedded Microcontroller MCU
- Character, Alpha Numeric and LCD Displays
- Removable Data Storage Drives
- Printer Systems

Interface Services

- Custom Security Encryption Algorithms
- LAN, WLAN & WAN Technologies
- Intelligent Battery Monitoring Charging Backup
- Real Time Clocks

Wireless Technology Integration

- Wi-Fi
- Bluetooth
- Cellular



Software and Communication

Protocols

- Ethernet including PoE
- Modbus
- CAN bus
- 1-wire
- Standard Serial
- **UART**
- I²C
- **USB**

OS and Application Development Platforms

- Android/Apple
- Windows/Mobile
- Microsoft NFT and .NET Micro Framework

Programming

- Embedded
- Desktop PC Application
- Mobile Hardware
- Graphical User Interface

Programming Languages

- C, C++, C#
- Assembly
- Visual Basic