

Hardware:

- Circuit Design
- Circuit Debug
- Schematic Capture
- Circuit Emulation
- PCB Layout
- PCB Analysis
- Gerber Verification
- RF Design / Engineering
- Audio Engineering
- Failure Analysis
- Neo-EOL Component Design
- BOM / Parts Selection
- Component procurement
- Hardware Design Review
- AC/DC Design
- Analog Design
- Portable Power
- Battery and power management

Software:

- ASM. Programming*
- ARM
- MICROCHIP
- 8051
- Programming*
- C/C++
- VB.Net
- C#.Net
- Power Basic
- Embedded
- Real Time
- Debugging*
- System Design
- Software System Analysis
- Software Design Review
- Hardware Specific*
- I2C
- SPI
- DAC
- ADC
- Serial RS232
- PWM / Direct Drive
- RF / WiFi / Bluetooth
- Ethernet

Mechanical:

- Mechanical Design
- Solidworks
- 3D Models
- 2D Drawings
- Format Translations
- Plastics Parts Design
- Injection Mold Design
- Metal Parts Design
- Material Analysis
- Optical Engineering
- Electro Mechanical Engineering
- Failure Analysis
- BOM
- Design Reviews
- Prototype models
- Proof of concept design
- Mechanical Reliability testing

PCB:

- Design for reliable PCB's
- PCB layout and fabrication
- High speed / RF layout
- Gerber File generation / DRC

Other:

- Solutions Sourcing
- International Liaison
- Plastic Parts Production
- Metal Parts Production
- DROP-IN Replacement Engineering
- Research and Development
- Regulatory UL, FCC, CE, FDA, CSA
- Patent Review
- Product functional validation
- Box Build Analysis
- Embedded Systems
- Test Fixtures / Product Testers
- Quick Turn prototypes
- Design for manufacturability

