911eda, inc.
ELECTRONIC PRODUCT
DEVELOPMENT SERVICES

Project Management

General management of project team
Work division and task/timeline management
Budget management
Inter-department coordination

Electronic Engineering

Embedded processor and microcontroller design
FPGA design (Altera, Xilinx, Actel and others)
DSP design
General analog circuits design
Embedded Windows development (WinCE 5/6.x and WinXP)
Real Time Operating Systems-RTOS (VxWorks, UCOS/II, Thread-X and otherrs
Video and audio compression algorithms
Communications protocols supporting real-time data streaming
Network stack protocols
C/C++
Board support package (BSP) development (WinCE, WinXP, and RTOS support)

PCB Layout

Board layout
High level schematic capture
Library management services
High speed digital, ECL/RF, controlled impedance, and differential pairs
Design for manufacturability
Experienced in many design software platforms (Altium, Cadence, OrCAD, Mentor and others

Prototype Testing

Prototype bare board fabrication and assembly
Custom testing suite designed to verify prototype to product specifications
Functional analysis, in-circuit testing, DFM/DFT analysis
Engineer and designer ready "Prototype Capability Report"

Pre-Production

Comprehensive engineer and designer documentation review
Verified "Prototype Capability Report" matched to project specifications
Verified manufacturing files
Production review

Production Level Manufacturing - Fabrication and Assembly

Bare board fabrication
Parts procurement
Component assembly
SMT manufacturing and mixed technology
Quality Control Program—X-ray and automated inspection
Quick turnaround builds