



SYSTEM AND TECHNOLOGY PRACTICE (STP)

MISSION

The Accelero STP accelerates the time-to-market for client's products by providing cost-effective and proven expertise in technology and system development. This expertise augments existing clients' core competencies or provides complementary skill-sets in a synergistic relationship. In both cases the overall commitment is to enable Accelero's clients to achieve their goals in a timely and effective manner.

INDUSTRY FOCUS

The Accelero STP addresses the needs of the telecommunications, consumer electronics, and medical instrumentation industries. These industries are very competitive where leading edge technologies directly affect high growth potentials. Consequently, they are better suited to leverage the added value provided by Accelero.

TECHNICAL EXPERTISE

The Accelero STP comprises a breadth, depth, and versatility of engineering know-how. This expertise spans systems design, hardware and software development, and product integration and testing.

- **Systems Design** – Cellular (GSM, IS-95), WLANs (802.11a/b/g), Data Acquisition (for cytometers), Wearable Devices
- **Hardware Development** – RF (PAs, LNAs, mixers, synthesizers, modulators, demodulators), analog (DACs, ADCs, SLICs, Codecs), digital (DSPs, uCs, FPGAs, PLDs)
- **Software Development** – Embedded (RTOS, Call control), Protocol (PRI, V5.2, PPP, OTA), Application (NMS, Billing)
- **Product Integration and Test** – Compliance, Functional, Loading, Manufacturing, Environmental, Regulatory

INNOVATION

The Accelero STP always emphasizes out-of-the-box thinking and has developed innovative solutions to difficult technical challenges. The Accelero staff holds over 10 United States patents including fundamental contributions to 3G technologies.

DEVELOPMENT PROCESS

The Accelero STP has an ongoing commitment to quality by rigorously applying sound development practices including functional specifications, high-level and detailed design reviews, code inspections, unit and system level testing, documentation control and version control and tracking systems.

CLIENT INTERFACE

The Accelero STP firmly believes that clients' satisfaction is best assured by achieving the project objectives with high quality, within budget, and on schedule. Project managers maintain detailed project schedules and provide close coordination and communication with clients.

TRACK RECORD

The Accelero STP had successfully completed major projects for important clients. Examples:

- **Telecommunications** – Design, development, and test of OSS for WLAN/Cellular gateway
- **Consumer Electronics** – Design, development, and test of WLAN network for wearable devices.
- **Medical Electronics** – Design, development, and test for Cytometer to PC interface

