

AdvanceV – Your Resource for Embedded Systems and Product Development

AdvanceV specializes in development of embedded systems and products for both professional and consumer marketplaces. Our areas of expertise include digital media; digital television; wireless and networking technology; and product lifecycle and manufacturing management.

Based in the heart of Silicon Valley, the company offers advanced systems engineering and competitive software outsourcing services.

World-Class Industry Experience and Expertise

The company's executive management and senior technical team members average 20+ years of experience from the information technology, consumer electronics, digital video and broadcast industries. The group has considerable expertise in product development and testing from concept through to manufacturing and beyond.

The team has unparalleled knowledge of embedded systems and significant experience in working with - and for - the major silicon vendors. AdvanceV's understanding of embedded systems from the silicon level to hardware design to software development allows us to deliver exceptional results for our customers, whether creating a new device or troubleshooting an existing one.

Technology Services

- Product and Technology Development
 - Embedded Systems
 - Wireless Devices
 - Medical Devices
 - Components & Modules
 - Design for Manufacturability
 - Product Lifecycle Management
- Software Development
 - Device Drivers
 - Middleware
 - Software Stack Definition
 - Protocol Definition
 - Custom Microcode Implementation
 - Video and Audio Encoders and Decoders
 - Media Players
- Verilog and VHDL coding
- Simulation and Validation
 - Simulation environment development
- FPGA Implementation
- Testing, Optimization and Debugging
 - Overall System Performance Optimization
- Hardware Verification & Standards Compliance
 - EMC, Environmental, FCC, CE & UL testing
- Performance and Stability Analysis
- Global Logistics and Manufacturing Management

Proven Track Record

Founded in 2003, the company's reputation is built on:

- Strong track record of bringing major innovation to mass deployment
- Experience in designing and deploying over 7 generations of set-top boxes (STBs), yielding volumes in excess of 1.5M units per year
- Development of widely deployed networking and RF protocols
- Unique relationship with Digital TV service provider's Engineering and Management groups in defining, architecting and rolling-out new generation receiver technologies
- Invention of multiple patents in systems architecture, digital video compression, wireless systems and networking
- Unblemished record of successful delivery of projects

Blue Chip Clients

Examples of AdvanceV past and present clients include:

- Audible Magic
- Broadcom
- Conexant
- DIRECTV
- EchoStorm
- Global Communications (UK) Ltd
- Humax
- InvenSense
- LG
- Logitech
- NDS
- NEC
- Pace
- Samsung
- ST Microelectronics
- Thomson

Contact Us

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