



Engineering and Design Services

Interactive Digital Television is paving the way for exciting new services as well as new sources of revenue. We understand the challenges you face defining your next-generation systems while trying to maximize the capabilities of your existing infrastructure. enableTV's engineering services team has the experience and expertise to support your migration from legacy to standards-compliant iTV platforms.

Engineering Services for Any Project

enableTV's engineering team provides end-to-end software solutions for companies focused on iTV and related technology. Our expertise includes systems engineering, porting, application development, integration, consulting, and testing. We can provide experienced professionals to supplement your existing software development organization or an entire team to turnkey larger projects.

Software Engineering & Consulting

enableTV has expert knowledge of digital television set-top box architectures and headend infrastructure. Our engineering services team specializes in the following:

- Software architecture and design for client and headend systems
- Native platform and middleware porting to standards-based libraries/packages
- System porting
- RTOS development and enhancement
- Platform debugging and tuning
- Embedded graphics subsystems
- Embedded Java, including JVM porting and optimization
- OCAP, DVB-MHP, and EBIF implementations
- Carousel and application server development, including application signaling and hosting
- Monitor application implementations and development
- Program and project management
- Standards representation
- Network migration

Application Development

enableTV has experience writing applications for many popular iTV platforms, including ETV (EBIF), PowerTV, OpenTV, DVB-MHP, and tru2way (OCAP). Our application services team specializes in:

- Architects of native, DVB-MHP and OCAP components, porting layers and test suites
- Developed application portability layer for legacy and hybrid Java platforms
- Set-top box OS, driver, JVM, UI and library design and development
- iTV application development for EBIF, PowerTV, OpenTV, MHP, and OCAP

Testing

enableTV can help you integrate and test your digital television software components, regardless of where they were developed, into a coordinated system that is reliable and functional. Our testing services team specializes in:

- Test plan development and execution
- Platform unit testing
- Performance testing
- Application testing
- Turnkey testing
- Custom test development
- CableLabs certification assistance

enableTV can provide resources to assist your engineering group or we can provide an entire team to turnkey your iTV project.