Professional Services for Qt Application Development

Building Custom Software & Touch Screen Devices

As the largest independent source of Qt® expertise in North America, the ICS professional services team has extensive experience solving a wide range of Qt development challenges for embedded, mobile and desktop applications, specialized tablet devices and in-vehicle-infotainment systems—all with a focus on the user experience.

User Experience Services

The ICS UI/UX team has a laser focus on the elusive user experience. By applying industry best practices to your particular problem domain, we work with you to design a world class user interface that not only meets your customer's requirements, but actually makes them want to use your application.

Embedded and Mobile Devices

The world continues to grow more mobile and it has become necessary to make a wide range of applications available at the touch of a finger. However, it can be a challenge to deliver these applications on small, sophisticated embedded devices. The ICS Professional Services Team stands ready to develop your embedded or mobile application for your device. This allows your team to concentrate on value-added innovation for your core business, with the net result being a superior product delivered more quickly than your competition.

Desktop Application Development

High performance desktop applications always push the envelope of what is possible given today's technology and processes. Custom development is expensive and risky and

so delivering results that provide an advantage over the competition is essential. If ordinary results were acceptable, you could purchase commercial off-the-shelf (COTS) at a substantial savings of time and money. Whether your project is 1000 lines of code or 5 million, ICS can help you deliver your application on time, with a superior user interface, and on multiple platforms. We have over 20 years experience developing custom applications and have built hundreds of UIs for companies of all sizes across many industries.

Specialized Tablet Devices

Specialized tablet devices not only need to efficiently perform their primary function, they also need a compelling user interface and a comprehensive set of common function applications that are available on commercial devices such as iPad®, Android™ or Windows® tablets. ICS can develop your tablet device so that it is attractive and easy to use. In addition, we offer a complete set of rebrandable tablet and touch screen enabled applications, including email, web browsing, calendars, notes, tasks and more—all without any runtimes or royalties.

In-Vehicle-Infotainment Systems

ICS brings a number of unique engineering skills and intellectual property that makes us the ideal partner in developing your IVI system including:

- Expertise in development of mobile applications that deliver remote content and services
- Ownership of a proprietary software architecture that provides a jump start on your own efforts
- Extensive experience in development of embedded systems, especially those that deliver video

How Can We Help You?

Contact ICS today:

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ICS Has Extensive Qt Experience Across All Industries

Here Are a Few Samples of ICS's Recent Service Engagements

Health and Fitness

Precor designs and builds premium fitness equipment and has set the standard for continuous state-of-the-art fitness innovation. ICS helped develop Precor's next generation of *Experience Series* cardio equipment which features a Qt-enabled, high-end interactive touch screen console.

Design

X-Rite Inc., which now includes design industry-leader Pantone, is a world leader in color management and communication technology used in any profession where color is mission critical. X-Rite partnered with ICS to develop a uniquely creative and artistic user interface that matched their customers' expectations for quality calibration tools targeted at the design and photographic markets.

Agriculture

Hemisphere GPS precision agriculture products help to minimize costs and maximize yields. ICS helped HGPS develop the new user interface for this device that provides for the steering of agricultural machinery to complete a pre-defined job (e.g., plow, seed, harvest).

Medical

ICS ported Qt/Qt Quick to the QNX operating system and wrote a sample medical application that runs on a Freescale i.mx51 (800mhz) processor. The user interface was written completely in Qt Quick and illustrates how quickly applications can be developed using this technology.

Entertainment

Systems deployed in amusement parks, video gaming centers, etc. tend to have an extended life that outlives the software and hardware on which they were originally based. In a recent engagement, ICS rewrote a multi-media application with multiple video and audio streams in Qt and OpenGL while maintaining much of the tested and stable backend system.

Set-Top/Smart TV

Desktop browsers are cumbersome to use on today's large screen Smart TVs because of the coarse control offered by typical remote controls. ICS has been involved with a number of engagements to improve the user experience of applications on such devices.

Automotive

ICS has implemented an In-Vehicle-Infotainment (IVI) system using Qt Quick. In addition, this software includes an engine system status monitor reporting in real time key sensors. All this code has been open sourced and is available for download on the ICS website.

Near Field Communications

NFC technology allows for transactions and data exchange with just a touch. This promises for instance, to ease the Bluetooth pairing process or enable you to use your phone to pay for purchases in a more secure way than a wallet full of credit cards. ICS is on the forefront of NFC, writing applications today that write and read NFC tabs and provide ways for secure communication between devices.

Mapping

ICS has developed several applications that use either Google Maps™ or Ovi Maps to help a user access a service or navigate to a point of interest.

Qt Certified Partner

ICS Integrated Computer Solutions Incorporated