

# From Photoshop to UI Implementation in One Day

## Leveraging Qt Quick and MeeGo IVI, ICS Delivers Highly Stylized, Consumer Grade User Interface

Qt Quick delivers a new paradigm for design focused user interface development for consumer devices such as mobile phones, media players, netbooks and set-top boxes. Combining Qt Quick's ability to create pixel-perfect user interfaces with its ability to easily integrate with a C++ backend allows the developer to fully implement the artist's vision quickly and fluidly.

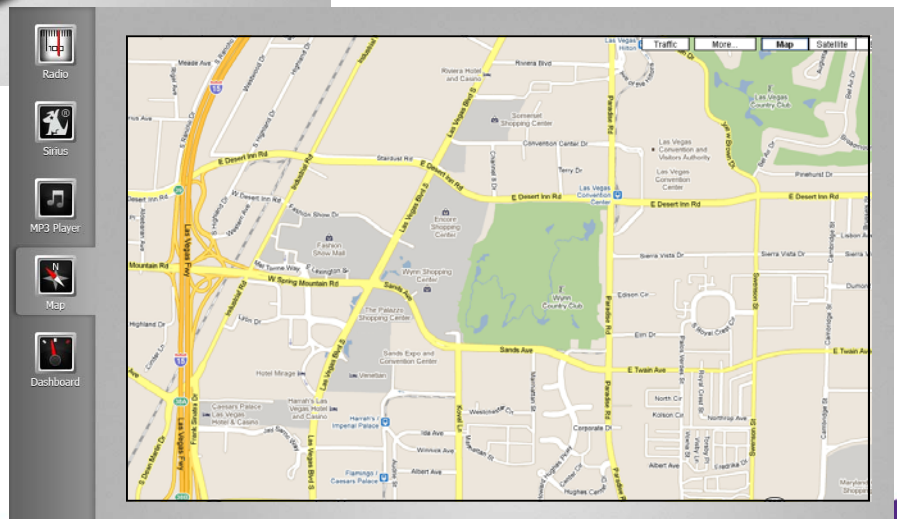
To demonstrate this extraordinary new functionality, ICS presents a real world demonstration displaying real-time data from automotive control modules within a Qt Quick based user interface. This project highlights the seamless integration of ICS's User Experience Design Team with our Application Development Team to rapidly take projects from concept to completion.

The touch screen application consists of five automotive infotainment modules:

- **Dashboard and Diagnostics** — integrated fuel injection computer with engine simulator board to feed sensor values into the engine control unit
- **AM/FM Radio Tuner** — touch screen interface with scrollable station list and presets
- **SIRIUS Satellite Radio Tuner** — dynamic and flickable controller for satellite radio with channel guides and presets
- **MP3 Player** — touch screen controls provide quick and easy access to media library and playlists
- **Mapping and GPS** — integrated mapping and GPS displayed on 10" touch screen provide clear navigation.



*Using Qt Quick, ICS quickly designed and developed a multi-touch automotive infotainment system.*



**Integrated Computer Solutions Incorporated**

54 Middlesex Turnpike • Bedford, MA • 01730  
www.ics.com • info@ics.com • 617.621.0060

# ICS Delivers Qt Quick and MeeGo IVI User Experience

## Project Timeline

- **Day 1** — Artist uses Photoshop to create initial dashboard screen and exports to QML with a plugin script.
- **Days 2-10** — Artist creates additional screens while developer writes backend C++ code for each module.
- **Days 11-13** — Final modifications to exported Photoshop and wiring up to the back ends.

## About ICS

Integrated Computer Solutions, Inc. (ICS) is the leading expert in Qt, multi-touch applications on MeeGo, and GUI application development. As the largest independent Qt consulting firm in North America, ICS has extensive experience solving development challenges for all types of Qt applications, including MeeGo initiatives and applications leveraging the latest Qt functionality, such as Qt Quick and Qt Mobility APIs. ICS is also a Nokia, Qt-Certified Training Partner and has provided training and consulting services to over half of the Fortune 500, including many whose technology defines their core business. Check us out at [www.ics.com](http://www.ics.com).

