

Telematics Device

The Challenge

A major automotive OEM had outsourced the hardware and software development for a proof-of-concept Telematics device. The device was based on Windows® CE and several enhancements had been added. Because this was a highly complex project involving multiple vendors, the OEM needed help testing the device's dependability and performance. They turned to BSQUARE during the final phases of concept development for a Quality Assurance (Q/A) assessment.

The BSQUARE Solution

As part of its established Q/A process, BSQUARE initiated the project by creating a comprehensive test plan, including test cases for each application functionality, performance and stress testing and overall system level testing. Test engineers evaluated both the platform and applications, creating test cases for each device feature. BSQUARE researched and selected a problem-

tracking application, and customized it for the OEM and their partners.

The BSQUARE testing process provided significant insight into ways that the proof-of-concept could be improved. BSQUARE worked to transfer the Q/A process knowledge to the OEM so that they could be self sufficient, from a testing perspective on their production project.

The Customer Payoff

BSQUARE identified issues with the OEM's proof-of-concept project very quickly, and then provided a path to improved reliability, reduced risk, decreased development costs, and accelerated the time to market. With the knowledge gained from adopting BSQUARE's Q/A testing process, the



OEM expects to save \$2.4M in product development and testing costs, and 150 man-months in its production schedule.

Take the Next Step: Contact BSQUARE Today

To find out more about how BSQUARE can help your project, as well as BSQUARE professional engineering services, Windows Embedded licensing and development tools that can accelerate your time to market, contact BSQUARE at 1-888-820-4500 or email sales@bsquare.com.

Development Time Estimates for Next Generation Telematics		Project Expense Estimates for Next Generation Telematics	
Without new QA Process	600 man-months	Without new QA Process	\$9.6M
With new QA Process	450 man-months	With new QA Process	\$7.2M
Time Savings	150 man-months	Cost Savings	\$2.4M



For more information, please visit www.bsquare.com

About BSQUARE:

BSQUARE is a solution provider to the global embedded device community. Our teams collaborate with OEMs at any stage in their device development to bring quality products to market faster. Since 1994, BSQUARE has been a trusted partner to smart device makers worldwide.

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