

## Case Study – Ideal Medical Customer



## What does an ideal BlackBerry QNX medical customer look like?

- Migration from a Linux-based prototype to a production system. QNX OS for Medical is a POSIX compliant OS greatly helping this migration by supporting code re-use
- Safety standards compliance and a desire to reduce risk, development time, and certification cost
- Requiring up to Class C IEC 62304 compliance
- A need to build graphically rich, compelling user interfaces that support multi-touch displays and gestures

# Case Study – Multi-Instrument Capable Robot for Surgery



## Is autonomous vehicle technology driving medical device innovation?

### **Surgical Robotic Device:**

- Selected QNX Neutrino for:
  - use in multiple CPU architectures (ARMv7 & x86)
  - use as the Main System Controller
  - use for motor controls in each surgical robot arm
- Leveraged QNX Adaptive Partitioning
- Leveraged QNX Advanced Networking Capabilities
- Leveraged QNX Camera Framework with multiple USB Image Capture devices
- A camera framework initially developed as part of our autonomous vehicle product offering, QNX ADAS (Advanced Driver Assistance System)

## Case Study – Soda Machine



## What does a soda machine have in common with an insulin pump?

#### **Modern Soda Machine:**

- Touchscreen soda fountain that allows consumers to choose from more than 100 different flavor combinations
- Developed in collaboration with the creator of the world's first insulin pump (a BlackBerry QNX customer)
- In a Fast Company article, the technology was described as a "medical use of inkjet technology, with huge dexterity in adding flavors to the outgoing drinks"



©2019 BlackBerry Limited. Trademarks, including but not limited to BLACKBERRY, BBM, BES, EMBLEM Design, ATHOC and SECUSMART a re the trademarks or registered trademarks of BlackBerry Limited, its subsidiaries and/or affiliates, used under license, and the exclusive rights to such trademarks are expressly reserved. All other trademarks are the property of their respective owners. iPad and iPhone are trademarks of Apple, Inc., registered in the U.S. and other countries. Android is a trademark of Google Inc. The Android robot is reproduced or modified from work created and shared by Google and used according to terms described in the Creative Commons 3.0 Attribution License. Windows is a registered trademark of Microsoft Corporation in the United States and other countries. BlackBerry is a trademark of Research In Motion Limited.