

ROBOTIC SURGERY

Kontron's reliable high quality medical building blocks increase patient safety and reduce overall cost of ownership

CHALLENGE

- ▶ Enabling a leading global manufacturer of medical healthcare technology to expand their world-class product offerings to include a robotic surgery suite
- ▶ Finding a partner, such as Kontron, with the medical hardware and RTOS expertise to provide a networked set of computers to address the complexities of robotic assisted surgery
- ▶ Developing the concept for the robotic surgery compute platform and executing the final design

SOLUTION

- ▶ Utilizing a popular series of Kontron's embedded boards across several nodes in varying form factors – allowing for commonality across the platform
- ▶ Implementing Kontron's embedded building blocks provides a system solution with high performance and reliability from a single supplier partner, all with an intended 10 year life cycle
- ▶ Meeting the longevity requirements of product lifecycle that medical equipment providers rely on in order to minimize risk and cost associated with change management

BENEFITS

- ▶ Minimizing the cost and risk associated with change management by utilizing long lifecycle product
- ▶ Providing standards-based off-the-shelf building blocks allows for future design upgrades with minimal effort by the customer
- ▶ Engaging with a full solution partner who provides the system integration in addition to design and support of the chassis, motherboards and operating system

▶ Learn more about Medical:
[Medical IoT | Kontron Embedded Computers](#)