

Robot arm assisted echocardiography (sonography)



Customer Pain:

This client reached out to us with a new idea for remotely operated echocardiography. After offering them a remote demo for one of the Universal Robots Cobots, they decided it was perfect for their situation. Having researched semi-autonomous robotics that can improve cardiac ultrasound imaging and at the same time improve the work efficiency of sonographers, they were looking for a way to vastly improve the overburdened industry.

Solution:

Our application team came up with a simple setup. Using one of the medium-sized cobots from Universal Robots, sonographers will be able to safely examine patients from provinces away. Therefore, opening up a whole new world of possibilities for this overburdened industry.

Results:

This is the start of a whole new industry for remote echocardiography in Canada. Although it's still early to tell, we can say that we may have helped increase capacity and shortened wait times for sonographers across Canada. Additionally, we helped this startup get its idea off the ground and implemented. Saving time and money that could have been spent on costly research.

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