

May 31, 2021

Marcel Schoenenberger
Principal Consultant
McSquared System Design Group, Inc.
323 - 901 West 3rd Street
North Vancouver, BC
V7P 3P9

Dear Marcel,

I am pleased to provide a letter of support for McSquared System Design Group, Inc., who provided system design development, contract oversight and implementation coordination for the AV/IT systems for Thompson Rivers University (TRU) Nursing and Population Health Building (NPH). McSquared worked closely with BrainNet Consulting Inc. in their capacity as the patient simulation systems consultant, AVI/SPL as the AV systems integrator and Thompson Rivers University Information Technology department to deliver a truly impressive state of the art simulation learning platform.

The McSquared team provided trusted and valued consultations from the development of the conceptual plan, the detail design development throughout the implementation of the AV/IT simulation systems to completion of the project. We were very impressed with the technical and systems level planning for the simulation systems. Further, their ability to address details, risk and solutions was truly impressive.

McSquared invited our team (Dr. Wendy McKenzie and David Burkholder) to play an integral role in a proof-of-concept exercise with Extron Electronics to test an AV over IP based AV system design. The NPH project required an integrated system approach whereby multiple systems needed to be working together to ensure high resolution quality capture and debrief learning in real time in the lab, as well as post lab debriefing capacity throughout the building. Of concern was ensuring that high quality materials including the right switches, high resolution cameras, integrated software programs simulators and internet capacity were fully integrated and connected. This Proof-of-Concept initiative provided real life testing for what could work, what challenges might occur and the need to create novel innovative solutions.

McSquared, working with the Project Lead Shelley Litke (Colliers Project Leaders) provided the liaison and oversight for the full implementation of the AV/IT/Simulation system working with AVI/SPL, the AV/IT contractor, TRU AV/IT team, and the School of Nursing. This complex team of expertise required clear coordination, strong oversight, and attention to detail. Additionally, the complexity of delivering this project on time and on budget given the realities of COVID 19 policies was critical. The team members were excellent. They worked well to

McSquared System Design Group, Inc.
Reference Letter
May 31, 2021

of COVID 19 policies was critical. The team members were excellent. They worked well to ensure that the solutions that were needed were completed in a timely and professional manner. They addressed all challenges and all complexities of the delivery. They are very professional in their approach to the team and addressed risk in a timely and informed manner bringing forward real solutions.

McSquared provided detailed and very technical specifications for what was required for the project. They also brought forward challenges that needed to be addressed to ensure a quality outcome. Of critical importance was designing and communicating the complexity of multi-system integration for a simulation system that would be state of the art and that contributed for current learning, but also has capacity for future proofing the systems. In essence, the Nursing and Population Health Building is a very complex system (AV over IP, high resolution capture and debrief system, learning management platform, content management system, and patient simulation system with multiple vendors) that is fully integrated with a converged computerized network. This highly technical system would allow our Nursing Programs to provide quality simulation and video capture capability for labs from basic needs to highly technical advanced care practice. McSquared's experience with previous simulation delivery was integral to understanding and implementing the solutions that were suitable to TRU.

Our team was certainly very impressed with McSquared's ability to deliver the outcomes under very uncertain times. Their coordination with Colliers, BrainNet Consulting Inc., AVI/SPL, TRU AV/IT team as well as our School of Nursing team were critical to ensure completion of this very advanced health care learning platform for TRU School of Nursing.

Our new NPH building provides advanced simulation solutions for today, while ensuring the system has the capacity to expand into the future. Our nursing simulation team members are very complimentary of the capability of the system. As more faculty and students return to campus fall 2021 there will be greater understanding and integration of simulation into the nursing curricula. The lessons learned through the development of our systems may be valuable for future planning and we would welcome sharing those lessons if that would be helpful.

We highly recommend the McSquared for the design development and implementation coordination of AV/IT/Simulation systems for future projects. If you require more detailed information, please do not hesitate to contact me at (250) 572-1240 or by email at dmurnaghan@tru.ca.

Kind Regards.



Donna Murnaghan, RN, MN, PhD
Nursing Project/Team Lead for Nursing and Population Health Building
Former Dean of Nursing, Thompson Rivers University