



UNIVERSITY OF OTTAWA STEM CYBER HUB

OTTAWA, ON

QUICK FACTS

- + Cyber Security Hub
- + Tenant Fit-up
- + 33,000 square feet
- + \$3.6-Million Budget
- + Work with HOK
- + Smith + Andersen
Mechanical and Electrical

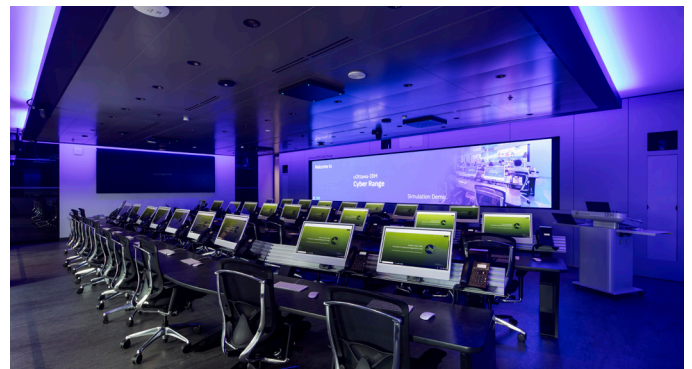
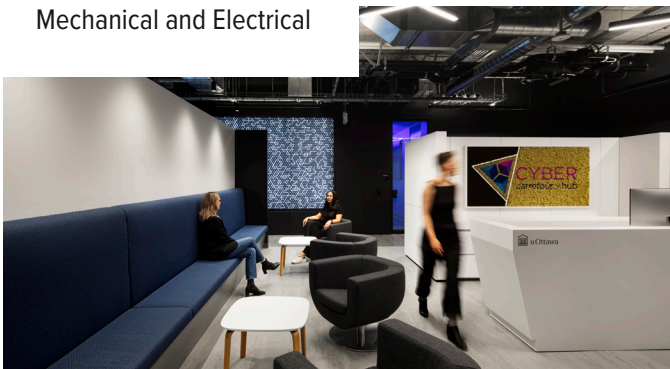


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ABOUT THIS PROJECT

- + Cyber security hub fit-up on the fourth floor of the University of Ottawa's STEM building.
- + Prioritized client goals by designing a space for cyber security training that maximizes interactivity and has the potential for increased server capacities.
- + Mechanical and electrical teams redesigned aspects of the project to meet new requirements in response to a partnership late in the project process.
- + Simulation room with a feature ceiling includes integration with ceiling devices, an advanced lighting control system, RGB lighting, a command booth and a broadcasting room.
- + Simulation room's lighting design and controls enable interactivity with participants while the command booth simulates cyber attacks in real time.
- + Scope was for server and classroom spaces within a tenant area planned for new wet labs.
- + Server room display and training tools allow for future growth in the simulation room.
- + Designers had to accommodate windows in fire rated walls and design solutions around the hotelling stations on top of existing heaters.
- + Lighting controls in the simulation room that allow for each light fixture to be individually adjusted and to change colours depending on the "attack" scenario.
- + Additional chilled water cooling was required for the cyber hub, since supplemental cooling was not available within the wing of the building.
- + Chilled water cooling system is designed for current and future IT loads.

LOCATION
Ottawa, ON

SMITH + ANDERSEN
SERVICES PROVIDED
Mechanical, Electrical

KEY TEAM MEMBERS
HOK

SIZE
33,000 sq. ft. (3,065 sq. m.)

BUDGET
\$3.6 Million

COMPLETION YEAR
2023

HOT BUTTONS

TENANT

EDUCATION

PEER REVIEW

DESIGN-BID



IMAGE COURTESY OF ADRIEN WILLIAMS PHOTOGRAPHY