



# Seneca Polytechnic

## INTRODUCTION

Seneca Polytechnic has campuses in the Greater Toronto area and Peterborough, Ontario, Canada. The school began operations in 1967 and has grown to seven faculties offering postsecondary education virtually and physically at six campuses. There are 40,000 full-time students annually, including international students from more than 150 different countries.

**"THE CLASSROOMS HERE AT SENECA POLYTECHNIC WERE IN NEED OF AN UPGRADE, AND CRESTRON TECHNOLOGY DELIVERS A CONSISTENT, IMMERSIVE EXPERIENCE THAT STUDENTS AND ALL STAFF HAVE A POSITIVE EXPERIENCE WITH."**

**Alvin Shum**

*Head of Enterprise IT Client Services,  
Seneca Polytechnic*



## THE CHALLENGE

Over the years, multiple integrators have programmed the AV technology and control systems in the classrooms and labs at Seneca Polytechnic. This made it challenging to upgrade the control systems and keep everything standardized, so Seneca Polytechnic set out to find one partner that could provide uniform technology throughout the multiple campuses.

## THE SOLUTION

Seneca Polytechnic engaged a single company, ClearAlan, Canada's largest Crestron Service Provider, to program its control systems to avoid confusion when upgrading or installing technology in the classrooms and labs. This approach has helped standardize systems across the academic spaces and has made it easier to implement new technology into the classrooms and labs on campus. With the new deployment of Crestron technology and classroom settings, Seneca has upgraded over 401 rooms out of 452.

**"AFTER HAVING DIFFERENT VARIATIONS OF PROGRAMMING FOR CRESTRON ON OUR CAMPUS, WE DECIDED TO PARTNER WITH CLEARALAN TO INTRODUCE AND MAINTAIN A STANDARDIZATION ACROSS ALL OUR SPACES."**

**Alvin Shum**  
*Head of Enterprise IT Client Services,  
Seneca Polytechnic*





## THE TECHNOLOGY

The implementation of Crestron technology allows Seneca Polytechnic to move toward a standardized approach where each campus can maintain consistency while achieving a proactive path to change management and support. Standardizing the systems allows professors to teach on any campus throughout Seneca and have the same user experience each time.

Seneca Polytechnic recently decided to upgrade its classrooms to focus on three major room types in the college: Standard, HyFlex, and Technology Enhanced Classrooms (TEC). Creating consistency was a priority, which is why Crestron touch screens are deployed as the user interface in each classroom across campus. The touch screens control the AV technology such as screens and projectors.

**“HAVING THE MICROSOFT TEAMS SOFTWARE INTEGRATION ON THE CRESTRON TOUCH SCREENS ALLOWS SENECA PROFESSORS TO QUICKLY AND EASILY CONTACT TECHNICIANS FOR SUPPORT IN ANY CLASSROOM.”**

**Russ Noble**  
CEO,  
ClearAlan

HyFlex classrooms allow professors to teach students both in person and online simultaneously. These rooms have two cameras allowing remote students to see either the professor or the students in the classroom for an immersive in-room experience. The Technology Enhanced Classrooms include projectors as well as TVs along the wall for students to collaborate with each other during the session. This layout lets four to six students collaborate around each display and share content with the class. Students employed by the school, including HyFlex ambassadors and lab monitors, proactively test the technology before classes start to ensure that the classroom will run smoothly.



This recent deployment of new technology has drastically decreased support calls. ClearAlan introduced Microsoft Teams® software integration from the classroom touch screens to allow instructors to interact with technicians for support. This unique aspect of the project allows each classroom to post messages to the Microsoft Teams channel for instant support needs. The Microsoft Teams software functionality streamlines the troubleshooting process and lets technicians utilize tools to provide AV support at quickly.

Seneca Polytechnic uses Crestron DM NVX® AV-over-IP technology for running content to displays in boardrooms and classrooms. The Crestron DM NVX platform provides flexibility by allowing users to continue adding devices to the system, and it simplifies distribution when multiple endpoints are present around the school.

**"WE CHOSE TO IMPLEMENT CRESTRON DM NVX IN SEVERAL OF OUR ROOMS DUE TO THE SCALABILITY AND FLEXIBILITY. WITH ITS CENTRAL MANAGEMENT CAPABILITIES, WE CAN MONITOR AND ADDRESS EVERYTHING REMOTELY."**

**Jason Cousins**

*Associate Director, Enterprise IT Client Services,  
Seneca Polytechnic*



## RESULTS

Seneca Polytechnic continues to turn to Crestron technology because of the quality and reliability of the products. Providing consistent user experiences across campus allows professors to teach in multiple buildings without confusion about how to operate the room.

**"WE ARE HONORED THAT SENECA POLYTECHNIC HAS TRUSTED US WITH THE ABILITY TO PROGRAM THE CRESTRON TECHNOLOGY AROUND CAMPUS."**

**Russ Noble**  
CEO,  
ClearAlan

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DMPS3-4K-250-C

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TSW-1070

X-Series Amplifier  
AMP-X300

Saros® 6.5 in. 2-Way In-Ceiling Speaker  
SAROS IC6T