



Université Concordia, Montreal, QC

Concordia University (commonly referred to as Concordia) is a public comprehensive university located in Montreal, Quebec, Canada. Founded in 1974 following the merger of Loyola College and Sir George Williams University, Concordia is one of the three universities in Quebec where English is the primary language of instruction.

Products Used

- HX-5 Variable Array Speakers
- F-122 ceiling speaker
- M-9000MK2



Purpose

Concordia University's Fitness Center sought out the best sound products to fit the environment. They wanted the system to be simple to use, and to be secure so that adjustments could not be made to the system. The project needed to ensure the integration of speakers, amplifiers and wireless products for each area to fulfill each distinct requirement.

Challenge #1

Concordia University's Fitness Center had several distinct rooms/areas to be outfitted with sound. Each area had different requirements that had to be met ranging from soothing background music to loud, motivating, music and sound. The main area of the facility had extremely high ceilings and was constructed of concrete blocks, and glass on all of the walls. This construction created high reverberation that had to be overcome. The ventilation in this room was suspended from the ceiling creating installation challenges.

Solution #1

Once the installation was complete, the installer had to test the system several times to adjust the system to the room noise TOA's ceiling speakers powered with TOA's 9000 Series digital matrix mixer/amplifier. The F-122 ceiling speakers were chosen to combat the echo and the high ceilings because of the excellent dispersion that the speaker offers the system has been locked for security allowing only the office staff access to the amplifier to adjust the volume.

Challenge #2

The University also has a recreational room to host basketball, volleyball, etc. games. This room required a durable system that had great sound.

Solution #2

TOA's HX-5 variable angle speaker for this application. The HX-5 is a durable speaker that can take a hit from a ball and still perform. The speaker has been mounted on the wall and angled towards the floor to combat the reverberation in this room.



Feedback

SNOLAB is now very confident that they can maintain their high standards of safety and communications throughout SNOLAB by relying on TOA's products.



About TOA Canada Corporation

TOA Corporation was founded in Kobe, Japan over 80 years ago. TOA operates in over 100 countries worldwide, with manufacturing facilities found in nearly every major market area. These facilities have a reputation for precision design and fabrication, resulting in a proven track record of TOA product reliability.

TOA Canada Corporation was formed in 1990 as a complete sound solutions provider, specializing in commercial audio, including, public address, voice communications, voice evacuation and emergency paging requirements. TOA Canada offers complete solutions for all corporate and commercial audio communications and intercom security requirements.