



## Saint-Laurent Sports Complex, QC

Located on the Boulevard Thimens municipal axis and linked to the Émile-Legault pavilion of École secondaire Saint-Laurent, part of the Commission scolaire Marguerite-Bourgeoys. The Facility includes indoor soccer field, a 25-metre swimming pool and a leisure pool, a gymnasium, a fitness room and several other spaces

## Products Used

- HX-5B Compact Line Array Speaker
- FB-120B Subwoofer
- CS-304 Wide Range Weatherproof Speaker
- F-122C Wide-Dispersion Ceiling Speaker
- 9000 Series Mixer Amplifier
- DA-250FH Multichannel Power Amplifier



## Purpose

The St. Laurent sports complex believed that their current PA system was not sufficient to perform all the functions and safety procedures that they felt the facility required. Management decided to total redo the PA system and implement new speakers to increase sound intelligibility. They chose TOA products because of their reputation of reliability and sound clarity.

## Challenges

TOA worked closely with the system integrator to overcome some of the challenges of the facility. The complex was a very large building with many rooms and spaces with various shapes. Reverberation was a key issue to overcome in all areas. The audio system also needed to be fully integrated.

## Solution

TOA design team developed a diagram that focused on individual spaces while taking into account the necessary zone paging and room reverberation. TOA recommended the 9000 mixer amplifier on the front-end for telco zone paging and used another 9000 mixer amplifier for the gymnasium. TOA did a full speaker replacement which provided the intelligible sound the facility required.



## Feedback

The resulting PA and Audio system worked as the complex expected. The new speakers and control equipment created a noticeable improvement in sound clarity. Management was ecstatic with the intelligibility and the ability to control everything from one control system.

## 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.