



## Oshawa City Hall Oshawa, ON

Oshawa is a growing municipality east of the GTA. It is located on the Lake Ontario shoreline and has a population of 400,000 of a diverse culture. City Hall is centrally located, and governments who reside here make many decisions on the operation.

## Products Used

- VM-3000 Series Voice Alarm System Amplifier
- SC-630TU speaker horn
- PC-580RU Ceiling Speaker



## Purpose

Oshawa officials required a reliable Mass Notification System to improve communication but, most of all, a system that would notify the masses during an emergency. The city also requested that the system meet building UL codes.

## Challenges

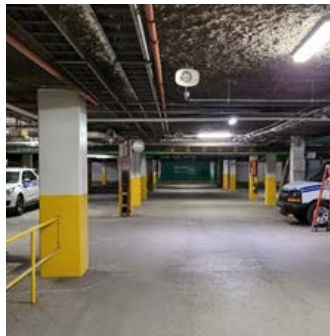
The challenges were many, from the size of the building to the various separated areas, to many required features and the need to be reliable, durable and easy to use. Achieving desired intelligibility throughout the facility was a big challenge as well.

## Solution

TOA worked with integrators, electricians and engineers on multiple variations of the system's design. TOA's VM-3000 was chosen for this project. Utilizing the Voice Alarm System Amplifier [UL 2572 and CAN/ULC-S576 Certified and Extension amplifiers and speakers plotted throughout the building, the system provided the city's emergency notification. Our tech team did a great job addressing the several redesign and speaker plotting diagrams and recalculations. Engineers suggested splitting the load across amplifier channels to achieve some redundancy.

## Feedback

The installation and commissioning done by Troy LFS is outstanding and detail-oriented. The walk-through with City officials, the Fire Marshall, and members from Troy LFS and TOA Canada was done to test the system and passed with flying colours.



## 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.