



Miramichi Dragway Park, Napan, NB

Miramichi Dragway Inc. is a 1/4 mile NHRA dragstrip located in Miramichi, New Brunswick, Miramichi Dragway Inc. has the best traction in Eastern Canada

Products Used

- SC-630 Paging Horn Speaker
- DA-500F-HL Multichannel Power Amplifier
- A-9120DHM2 9000M2 Series Amplifier



Purpose

The outdoor racetrack required an improved sound solution with directive sound towards the stands and team pit areas and loud enough to overcome the roar of the race cars.

Challenges

There were a few challenges the design team needed to study and develop a plan to overcome them. First the outdoor facility had a high ambient noise level that interfered with announcements. The length of the racetrack and size of the sitting area for visitors required a high decibel level to be heard while still maintaining an intelligible voice distribution. Finally, without ceilings the design needed to take select a type of speakers that can be installed on poles which lined the stands.

Solution

The resulting design began by selecting over 30 SC-630T speaker horns that were installed high above the track on poles and directed towards areas of the stand, pits and common areas. The horns high wattage components were powered by DA-500 series power amplifiers to ensure enough power was cranked out. The system was controlled using the versatile M-9000 matrix mixer which provided plenty of control options and such as BGM, multi-zone broadcasting and several inputs sources options.

Feedback

The completion of the sound system overhaul was finalized with a thorough testing of the audio sound with various ambient noise, to recreate a live event. The owner of the facility was happy with the end product and the sound was noticeably clear and covered the entire facility.



About TOA Canada Corporation

TOA Corporation was founded in Kobe, Japan over 85 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.