



### British Columbia Ferry Services Inc., BC

Northern Adventure Ferry, 117 meters long, displaces 5,983 tonnes of water, with a car capacity of 101, and a passenger and crew capacity of 600.

### Products Used

- VM-2000 Series: System Management Amplifier
- VM-2240: Amplifiers
- H-2: Interior Design Speakers
- SC-615T: Paging Horns
- RM-200M: Remote Microphone system
- EV-20R: Digital Message Repeaters



### Purpose

Replacing the original paging and alarm system in order to improve paging quality and safety.

### Challenge

The existing system was not suitable for reliable continuous performance. The system had to meet Transport Canada and SOLAS regulations for a fully redundant, self-monitored paging and emergency announcement system.

## Solution

BC Ferries' chose to use TOA's VM-2000 Series System Management Amplifier. Eighteen VM-2240 Amplifiers were installed on the Northern Adventure with a nineteenth amplifier being used as back-up. A total output of 4,320 watts is delivered to a combination of over 440 TOA H-2 Interior Design Speakers and SC-615T Paging Horns under speaker line supervision using the optional SV-200 internal speaker line supervision card.

## Feedback

British Columbia Ferry Services Inc. is pleased with the system's flexibility and performance in a function of crucial importance to the operation of the Northern Adventure.



## 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.