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BC Ferries' Addresses Passenger Safety with TOA



British Columbia Ferry Services Inc. (BC Ferries') is known for safety, spectacular scenery and a proud maritime history. When faced with replacing a vessel, they decided to purchase a Greek vessel, the Northern Adventure. Built in Greece in 2004, the Northern Adventure is 117 meters long, displacing 5,983 tonnes of water, with a car capacity of 101, and a passenger and crew capacity of 600.

Being known as a company that takes safety very seriously, BC Ferries' was faced with replacing the original paging and alarm system, as 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. 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. There are ten zones throughout the vessel, each of which can be accessed from one of four RM-200M S + RM-210S Remote Microphone Stations, or by the EV-200 optional internal Digital Message Repeaters. Standard ship alarm bells are played back using the EV-20R Digital Message Repeaters.

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.