



2N ensures communication at Milford marina

Mission

Highway Electrical Ltd was looking for a partner to provide an Ethernet based solution for the communication with Pedestrian bridge at Milford Marina. Bridge was designed with a lifting span section to be controlled manually by an offsite operator 10 km away. This enables the movement of vessels from the Milford Marina and public boat ramp to the Hauraki Gulf.

“ After a demonstration of 2N equipment and its capabilities, Highway Electrical partnered with Sietec Security and the installation exceeded Highways expectation with its flexibility and robust functionality over Ethernet. “

Kevin McGarvey
Project Manager, Highway Electrical



Benefits

- Remote bridge control and management
- 24/7 audio system announcement
- Different alarm sounds during bridge operations
- Easy integration with CCTV system
- Incoming calls from boats via 2N intercom



Solution

Fact that the bridge will be controlled manually by an offsite operator, raised safety and security fears. Developer needs to find solution for ensuring safe operation on the bridge with the boats and people coming across the bridge. The scope of works included intercom, operational Alarms, PA system and device monitoring, all remotely controlled and monitored from the operator location 10km away.

Result

To ensure communication on site, Sietec Security Ltd provide 2N® Helios IP Force intercoms and 2N® SIP Audio Decoder for multicasting stored audio files. The system has one Alarm Sound when bridge is about to be lifted and safety gates close. A different alarm sounds during bridge lifting. Control centre, connected via WAN, is 10km away. Implemented solution allows operator to speak over all 2N® Helios IP Force units at once.

Whole system includes also video cameras to control the bridge surrounds 24/7 and to see if the bridge is clear to lift and what action may be required to clear pedestrians via an announcement.

Sietec also supplied a telephone for the control centre to receive calls from incoming boats wanting the bridge lifted. These calls can come in via Marine VHF or from the 5th 2N® Helios IP Force which is on a Bollard.



Installation

1x



2N® SIP Audio Converter

5x



2N® Helios IP Force

Our Customers

Highway Electrical is an electrical contracting company based in Auckland. Specialize in electrical installation, general maintenance work in the manufacturing sector and turn key solutions for process applications in the industrial area.