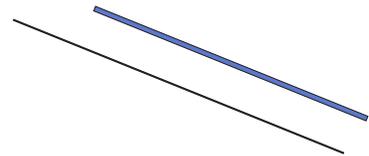


# VANCOUVER INTERNATIONAL AIRPORT

Utilizing audio effects to add realism and motion to an otherwise static artificial environment, customized soundscapes offer non-directional, ambient background effects throughout the display corridor. One side of the display was designed as a coastal scene, the other as a rainforest canopy. The audio is low-key texture effect complementing the exhibit décor, while highlighting five key sculptural displays. Triggered at random, through the use of microwave motion sensors, airport passengers enable the effects as they move alongside the display. Animal and insect sounds combine with ocean and surf effects, creating a total experiential habitat. The system is designed to cycle through to completion within a twenty-minute period and then go into rest mode until triggered again. Additionally, the system incorporates an automatic emergency override tied to the airport paging system.

The installation was broken into seven zones - each with it's own unique combination of multiple effects. The master PLC is a Koyo D2-230 driving seven Akman DS-138 message repeaters. Information from the repeaters is then amplified by Yamaha XH and XS amplifiers and distributed via a 70-volt network to a variety of JBL Control 23, 23T and TOA F-101CM speakers. A total of 47 speakers were used in all. Three Microwave Sensors Inc. devices located at key locations effect system triggering. Relay and control panels were custom designed, built and programmed by Allstar Show Industries, equipment racks are by Middle Atlantic.



## EQUIPMENT LIST

### AUDIO

- Akman DS-138 Message Repeater
- Akman DS-138 Eproms
- Akman DS-138 Dual Rack Mount Kits
- Akman Blank Enclosure
- Microwave Sensors Inc D15LN Motion Detectors
- Allstar System Design Custom SKR Relay System
- Allstar System Design Custom PLC Control Panel

### ...continued

- Koyo D2-230 CPU
- Koyo D2-06B Base
- Koyo D2-08ND3S 8 input Module
- Koyo D2-12TRS 12 output Module
- Koyo D2-PGM-205 Software
- Koyo D2-DSCBL Cable

### ...continued

- Yamaha Q2031B Dual 1/3 octave Equalizer
- Yamaha GQ1031C Single 1/3 octave Equalizer
- Yamaha XS250 2-channel Amplifiers
- Yamaha XH150 70-volt Amplifier
- JBL Control 23 Speakers
- JBL Control 23T Speakers
- TOA F-101CM Speakers
- Furman PM-8 Power Conditioner
- Middle Atlantic SR-40-22 Rack