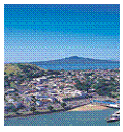
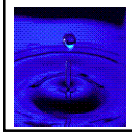



Auckland International Airport Update

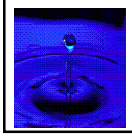
Roy Robertson

16th October 2007

Auckland Engineering Life Lines







Progress made over the last year.

- Auckland Airport (we have a new name and logo to be introduced soon).
- Our two biggest projects have been the total refurbishment of our Operations Centre and the set up of a Disaster Recovery Centre.
- The main area of the Operations building has been split up into three zones.

1. General Operations and Communications
2. Incident Control Room and Monitoring
3. Emergency Operations Centre

I should mention the lunchroom was refurbished prior to this.

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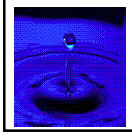
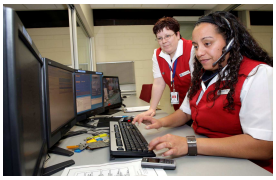
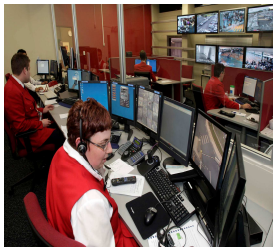


The 3 zones operate a noiseless working environment with each separated by glass walls. Visitor's cell phones are required to be turned off.

The new CISCO Communications Manager operating system provides the foundation for the integration of radio and telephone communications. Staff operate with personal USB headsets and can track multiple radio frequencies at the same time. There are 24 radio frequencies based on internal AIAL and emergency services use at present on the system.

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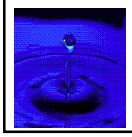

A screen shot of how the radio channels are displayed and can be connected.

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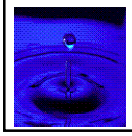
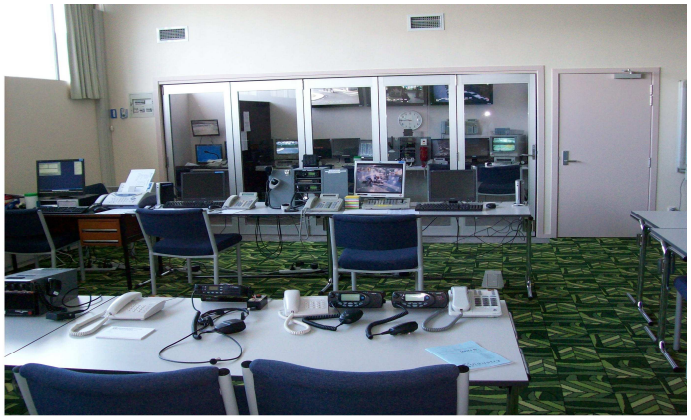


The Disaster Recovery Centre is a duplication of our emergency centre (runs “hot”24/7) and despite being located 4 kilometres away can be fully manned and operational within 6 minutes.



For those of us that knew our previous back up facility the old desk and solitary radio this is a great step forward. It also allows training to be carried out for new staff members.

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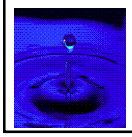

Google Earth new software now allows the Airport to be able to overlay files and zoom into various areas. The WGS84 co-ordinate system used by the aeronautical industry and GPS systems allows us to locate an aircraft or a vehicle when co-ordinates are provided.

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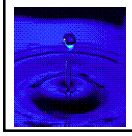

This shot shows how we are able to overlay the Hv network over the Airport and rotate the views and get a pseudo 3D image. This is a great tool that can be used by any civil defence emergency centre where using CAD and GIS techniques drawings can be created such as the impacts of a volcanic event, evacuation routes plotted and converted to the relevant file type and viewed using Google.

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