



**Project Description**

**Project:** Commonwealth RANET

**Location:** Tuvalu

**Client:** Tuvalu Meteorological Service

**Total Project Value:** US\$167,000

**Start Date:** June 2005

**End Date:** Ongoing

**Lead Company:** Meteorological Service of New Zealand Limited (MetService)

**Associated Consultants:** None

**Key Features:**

- Sustainable
- Improving emergency communications
- Owned by the community

The Commonwealth RANET (Radio Internet) Communications-Tuvalu project is a wide-ranging communications project designed to significantly enhance communications capability between Tuvalu's meteorological offices, the international forecast centres and, most importantly its atoll communities and the end-users. Its main objective is to improve meteorological communications and early warning of natural hazards capability. The technology is leading-edge, yet cost-effective and sustainable. An automatic weather and climate station is included for Tuvalu's only secondary school at Vaitupu where students will be able learn meteorology and see first-hand the effect of weather on their communities.

The supply and installation of equipment, and training to the Tuvaluan stakeholders. The equipment includes: Four HF radio digital email systemstransceivers, PC Notebooks, antennae and software; Three Satellite (World Space broadcast on the AsiaStar satellite) receivers; Three Community FM radio stations (able to also be operated by the communities for any social, education and entertainment purposes); Seventy portable FM receivers; mSTAR weather station and display for education and agriculture applications; Solar power supplies; Services to enhance early warning as well as community development within a sustainable and cost-effective technology.