



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.