

## South Pacific Ocean – Wallis Island Chamber of Commerce



The Chamber of Commerce on Wallis Island commissioned Apex Broadband to provide a turnkey high speed Internet and Voice over IP service for 10,000 residents and businesses on the island.

Less than 6 weeks from the receipt of the order, the satellite, wireless and VOIP rollout commenced. The deployment involved the installation of a 3.7 meter C-band VSAT terminal, 5.4GHz wireless base station and five outdoor Wi-Fi Access Points. The businesses were connected using the 5.4GHz wireless network within a 12km radius, each with 2Mbps of capacity.



Gaston Llitui (Director General) of the Chamber of Commerce said, 'This is fantastic! It's the first time Wallis has had low cost calls and Internet access. Now everyone can call France.'



Five high powered Wi-Fi Access Point were installed to allow outdoor and indoor mobile phone access using Wi-Fi technology. Pre-paid Wi-Fi phones are rented at low cost to the public.

IP desk phones and company PBX's are used in the businesses and connected to the network using outdoor wireless 5.4GHz antennas.



The satellite earth station with outdoor shelter allows monitoring, control, billing and access rights to the network. The 30 meter mast shown above covers the whole of the island. Repeaters are placed at strategic locations to 'mesh' back to the base station. These repeaters penetrate vegetation successfully and ensure coverage is consistent.