

When Dirección General de Aeronáutica Civil (DGAC) started the process of upgrading 15 sites in the Chilean airspace communications system they knew the project would be challenging. The work includes installations and decommissioning of all existing equipment on the sites, ranging from airports to remote locations, as well as delivering in territory training.

Reliable modernisation

Aging aerospace communication is an ongoing issue within an industry which never stands still. The Dirección General de Aeronáutica Civil (DGAC) were looking for a ground to air radio system solution that would support them for years to come. Fortunately, the T6 radio from the Sapphire portfolio has been designed with the future in mind and provided the perfect solution.



Park Air T6 VHF/UHF Radio

Many locations in the DGAC system require remote solutions due to the country's mountainous terrain. This was a key consideration for the installation. Having already proven itself in DGAC's Antarctica installation, the T6 was the chosen solution to bring Voice over Internet Protocol (VoIP) technology into Chilean aerospace.

Remote tower technologies provide huge advantages for Air Navigation Service Providers (ANSP) as they seek to efficiently deploy their resources. The remote tower concept could also drastically change the face of tertiary airfields. In less developed areas, the upgrade of an airfield to make it suitable for commercial traffic can provide real benefits to the local community and economy.



Remote tower capability currently within Brazil

The T6 UHF/VHF Radio, part of the Park Air Sapphire portfolio, provides customers with a simple transition between old and new systems as well as significant operational benefits. The T6 offers a 50% footprint reduction over its predecessor, which in turn reduces its carbon footprint in shipping, space requirement in cabinets and overall housing location.

The T6 is able to offer the latest in VoIP technology as well as Simultaneous Call Transmission (SCT) detection. This alerts operators to any potential signal blocking or transmission interruption.

Strengthening customer relations

In 2017, the DGAC selected the T6 for 8 installations, including Antarctica's only official airport; Teniente Rodolfo Marsh Martin, located on King George Island. Certainly a harsh environment, the T6 and other Sapphire portfolio products selected, have shown strength in their performance.

With these 8 installations, and the further 15 throughout Chile, Park Air has built close customer relationships with not only the DGCA but also our in territory partner, Aerotech.



Part of the installation at Puerto Natales, Chile

Park Air uses selected partners around the globe to provide local customer support and installation work. These partners are an extension of the Park Air family and provide expert support in local languages to help our customer support to be some of the best available.

Summary

Some of the locations of the DGAC sites proved both challenging and picturesque. Altitude, temperature, and humidity are all challenges that Park Air products are designed to overcome. The utilisation of remote tower technologies have enabled the business to support the growing infrastructure of Chilean airspace with a product portfolio that can be relied upon.

To find out more about how the T6 can work for you, please visit:

<https://www.parkairsystems.com/components/t6-vhf-uhf-radio>