

Chile Airspace Technologies

Stakeholders

Chile Civil Aviation Authority / Innovative Solutions International (ISI)

Key Services

- Airspace Analysis
- Technology Assessment
- Project Development
- Airport Planning
- Financial and Economical Analyses

Project Highlights

The project was aimed at evaluating an implementation program for the application of ADS-B and LAAS airspace technologies in 12 locations throughout Chile and resulted in the recommendation of over US\$1 million in funding.

When implemented (early 2011), these technologies will allow the use of Global Navigation Satellite System signals to provide air traffic controllers and pilots with much more accurate information to help keep aircraft safely separated in the sky and on runways.

Description

The KED Team considered the viability – from a technical and financial standpoint – of implementing these NextGen technologies in Chile’s national airspace, the associated costs and benefits, including the cost of aircraft equipage, and the commitment of project user groups/stakeholders such as airlines, equipment manufacturers and DGAC personnel. In addition, an evaluation of any regulatory constraints that may hinder project implementation and an identification of long-term training needs and transfer of technology for DGAC personnel was conducted. This program included an analysis of the potential impacts on Santiago de Chile's demand from airlines and cost of aircraft equipage issues. As a result of KED's efforts, a grant agreement for close to one million dollars was signed between the U.S. government and the Chilean civil aviation in September 2008.



Our team was hired again in 2010 to conduct a follow-up study for the airspace between Puerto Montt and Cochrane, as well as to develop an airport improvement program for the Cochrane Airport in Southern Chile.