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PROMOTION OF AEROSPACE TECHNOLOGY IN BOLIVIA

Abstract

Aerospace development in a country represents its technological level, its development capacity and somehow his power. The development of the aerospace industry brings a lot technology for use in everyday life of people.

In issues of satellite technology, Bolivia is developing its expertise in the area, with the creation of the Bolivian Space Agency (ABE), with the launch of its first telecommunications satellite Túpac Katari (TKSat), which was released on December 20 of 2013, with the training of Bolivian professionals on the Great Wall Industrial Corporation (CIGM) and the creation of ground stations in the cities of La Paz and Santa Cruz for management and monitoring of TKSat, and also, the Bolivian Space Agency announced the country's willingness to purchase a remote sensing satellite in the near future.

But Bolivia must to move from being a country dependent on other, to be a country applying the learned theory, a country with capacity to do research activities, to be able to develop its own technology, since it has the human resource to take this challenge.

It has been observed in recent years that the nano-satellite technology in South America has been having a remarkable growth, beginning 2007 when Colombia launched the first nano-satellite called Libertad I; continuing with this technological raid, in the 2012 Brazil launched a CubeSat called NanoSatC-Br1; on the other hand Argentina and Ecuador launch their nano-satellites in April 2013 CubeBug-1 and Pegaso respectively; similarly Peru in November 2013 launched its first nano-satellite PUCP-SAT.

Taking this into account, it is necessary the promotion and development of aerospace technology in students, professionals and the general public of Bolivia, in this sense; it has organized the First Bolivian Congress in Aerospace Technology – ABC (Aerospace Bolivian Conference). Also the development of a nano-satellite is proposed to acquire knowledge on this issue and specially to acquire own access to space.