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SMALL SATELLITES: MARKET, TREND AND GAME CHANGER

Abstract

Critical analysis of small satellites market and what has been the evolution in recent decades, what are the future trends and as this type of satellites is changing the market in these markets. Historical market for small satellites boosted by a university spin-off starting with an innovative idea as the constellation for emergencies and DMC that has evolved into an increasingly industrialized process until today and why they are considered as points of reference for emerging countries. In comparison with the traditional approach of assemblers of COTS (Commercial-Off-The-Shelf) to analyze how the low cost satellites classes will be able to fill existing gap of the traditional satellite. It is important to make a careful reading of these new phenomena named “game changer” that are not born of technological thrusts but rather on a targeted use and integrate into an existing market. What are the implications of this type of market? For example: change of the business model, new technological developments, implementation of constellations with the aim of having more time to revisit albeit with degraded performance than traditional satellites, different approach for access to space, paradigm shift in the design satellite systems, use of new information technologies, with a classic pattern of change (space segment and the ground).