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THE AFRICA NEW SPACE REQUIREMENTS

Abstract

The New Space parameters are going to be in specific requirements in Africa. It means to deal with as well the New Space definition than the potentiality of its use by specific investment in the ground segment. The New Space1 defines itself as the arrival of private sector in the exploitation of the different Earth orbit. Allowing the use the Space for the ground, this finding provide a new way to manage the human activity. In this context, African countries structure itself in the New Space industry opportunities through the satellite and the commercial ecosystem should be built.The commercial segment of the satellite industry is the spot about the beginning of the New Space in Africa. Except the one doesn't combine yet, the launch site, the launchers, and the complete ecosystem support to design the Space assets. This beginning aims to get Space Data to improve the ground management for any requirements about a situation. Indeed, the "New Space" is changing also the parameters for launching satellites into Earth orbit allowing a Space access easier thanks to new offer. While many African countries are launching satellites into different orbits, the opening of the space market to commercial players is paving the way for low Earth orbit launches. In fact, the arrival of small satellites with high performance capabilities is a response to a broadening of the types of launchers. The latter are moving away from traditional rockets to smaller launchers capable of carrying payloads of 150 kilograms to an altitude of 500 kilometers. In the African Space dynamic, the launch of micro and nano satellites to support the consolidation of territory, and the position of a launch pad near the equator, offers African countries a competitive advantage in orbiting.