

SPACE TRANSPORTATION SOLUTIONS AND INNOVATIONS SYMPOSIUM (D2)  
Launch Vehicles in Service or in Development (1)

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PROGRESS OF THE CYCLONE-4 SPACE LAUNCH SYSTEM DEVELOPMENT

**Abstract**

Cyclone-4 is a new space launch system developed by Yuzhnoye (Ukraine), with the launch site being built in Alcantara (Brazil). It is a follow-up of a highly reliable Cyclone launch vehicle family series, with over 200 successful launches to date. The launch site is located only about 2 degrees south of the Equator allowing direct launches both into equatorial and polar orbits. The launcher is capable of carrying over 5 tons into LEO and almost 2 tons into GTO, with a large 4 meter wide payload fairing. The presentation will describe the current development status, with updated photos, as well as possibilities for dedicated, dual and cluster launches on the Cyclone-4 Launch Vehicle for different types of spacecraft, from large to nanosatellites.