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SUBORBITAL SPACE SAFETY ASSESSMENT

Abstract

This paper investigates and illustrates the suborbital space safety study done as part of launching the suborbital rocket ANUBIS from Esrange Space center. ANUBIS is designed with the single goal to make access to space affordable for everyone. With a proven, reliable, and efficient solid rocket propulsion system alongside modern, strong, and lightweight materials, and inexpensive but dependable off-the-shelf hardware, ANUBIS will utilize a unique, game-changing methodology, combining the simplicity and heritage of various flight proven space concepts. Working with industry and educational partners, the service will be designed to suit the needs of all types of customers, with a focus on reliability, safety, and keeping the price per kilogram payload competitive on the world stage.

ANUBIS is built by Suborbitality, Suborbitality is a European "New Space" company with a mission to be engaged in the global market for space systems by introducing low-cost launch services to suborbital space. Suborbitality is utilizing space industry-proven technologies and a lean business model to create the world's only suborbital rocket specifically tailored to provide a low-cost, smart, reusable, and reliable solution to a market stagnating smart under high prices and low launch availability.