

SATELLITE DEPLOYMENT

SYSTEMS AND SERVICES



>> DEDICATED LAUNCH AND RIDESHARE SERVICES FOR SATELLITES AND PAYLOADS

LAUNCHING FROM THE INTERNATIONAL SPACE STATION (ISS)

Bridging the Void: SSIKLOPS emerges as the game-changer, seamlessly connecting the dots between modest CubeSat launchers and heavyweight payloads vital for the thriving Low Earth Orbit (LEO) microsatellite market (50-100 kg) of all configurations. Our competitive pricing not only challenges the norms of traditional rideshare launch costs but also comes loaded with a multitude of value-adds. With frequent flights facilitated through access to cargo resupply flights (CRS) to the International Space Station (ISS) and an array of expendable launch vehicles, Sidus Space ensures you're not just launching payloads – you're launching possibilities. Experience the pinnacle of flexibility and reliability with our ISS rideshare launches, where multiple launch vehicles and predictable schedules redefine the trajectory of your space endeavors.

BENEFITS

- » Fills the payload deployment gap between small cubesat launchers and major payloads
- » Competitive price when compared to traditional rideshare launch options
- » Frequent flights and launch cadence using reliable launch vehicles

DEPLOYMENT AND LAUNCH SERVICES

» END-TO-END SERVICES

Sidus Space manages all aspects of your launch, from contract signatures to in-orbit operations.

» PAYLOAD MANIFESTING

We safely secure your satellite or payload on a launch that meets your mission criteria

» DEPLOYMENT AND MISSION OPERATIONS

Our mission control center is located in our facility in Cape Canaveral, Florida. We coordinate all of your deployment and mission operations

» SAFETY AND INTEGRATION

The Sidus Space team navigates your payload through the safety process and works directly with you to integrate onto our deployer



ABOUT SIDUS SPACE

- » Born from aerospace, defense, and government modernized manufacturing and engineering, our expert capabilities combine state-of-the-art knowledge, equipment, and facilities to deliver superior quality and fail-safe performance for your most critical missions.

>> SSIKLOPS

At Sidus, we offer more than just services – we deliver seamless solutions for the entire lifecycle of satellite payloads. Experience the future of satellite integration and on-orbit operations with SSIKLOPS, our cutting-edge system that leverages NASA ISS resupply vehicles. By launching smallsats to the International Space Station (ISS) in a controlled, pressurized environment, we ensure the utmost precision and reliability.

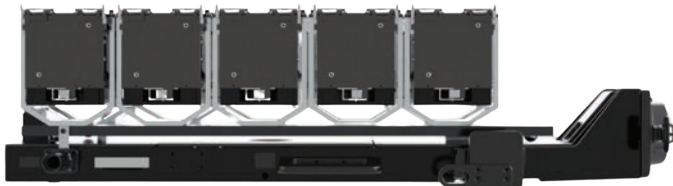
Once aboard the ISS, our skilled crew meticulously processes the satellites, allowing for comprehensive system diagnostics before the critical orbit insertion. Trust Sidus for turn-key excellence in managing and executing the full spectrum of satellite operations, setting a new standard in space innovation.

FLEXIBLE DEPLOYMENT FOR UNCOMMON SHAPES AND SIZES

SSIKLOPS redefines satellite launches with its innovative flat structure, offering a single interface point for streamlined operations. This design allows for deploying spacecraft of various shapes, constrained only by a 100 kg mass limit and JEM airlock dimensions. Bridging the gap between small cubesat launchers and larger payloads, SSIKLOPS caters to the Low Earth Orbit (LEO) microsatellite market, providing a versatile solution for payloads ranging from 50 to 100 kg. Experience a new era in satellite deployment with SSIKLOPS, setting the standard for precision and adaptability in space missions.

>> PHOENIX

Phoenix is a CubeSat deployer that leverages the SSIKLOPS deployment platform on the ISS for CubeSats ranging from 3U to 12U.



SSIKLOPS DEPLOYMENT REQUIREMENTS	
Ballistic Number (BN)	100 kg/m ²
Center of Gravity (CG)	X (in.): -1.00 to +1.00 Y (in.): 2.00 to 14.20 Z (in.): -1.00 to +1.00
Deployment Force	35 lbf
Mass	up to 100 kg
Volume	Meet the defined allowable envelope

