



REDEFINING ACCESS TO THE EDGE OF SPACE



WWW.ORIONSPACECO.COM

WHO WE ARE

Orion Space is a cutting-edge aerospace company pioneering reusable, aircraft-certified suborbital systems. Our flagship Mustang program enables rapid, affordable access to near space and Very Low Earth Orbit (VLEO) through horizontal takeoff, vertical ascent, and runway recovery. We deliver end-to-end aerospace solutions for commercial and government clients alike.

PROFESSIONAL SERVICES

Aerospace Consulting Services

- Vehicle & mission architecture development
- Regulatory strategy (FAA, DoD, ITAR)
- Payload integration planning
- Commercial & national security applications

Spaceport Management Services

- Operational design & ground infrastructure planning
- Regulatory liaison & tenant support
- Suborbital and small launcher integration

Project Management Services

- Aerospace program lifecycle management
- Systems engineering & risk mitigation
- Vendor coordination & schedule assurance

PARTNER WITH US

Orion Space is building the future of low-cost, high-frequency space access and support services. Whether you're launching a payload, managing a spaceport, or building a new aerospace capability – we're your mission partner.

OUR FLAGSHIP PLATFORM

MUSTANG II OPERATIONAL-SCALE SUBORBITAL LAUNCHER

Reusable rocket-powered system capable of 200 km altitudes and VLEO insertions. Launches from standard 5,000 ft runways, lands via unpowered glide.

- Over 200+ lb payload in 5 payload bays
- Full mission turnaround <24 hrs
- FAA-certifiable aircraft operations
- Commercial & DoD configuration-ready

WHY ORION SPACE



Aircraft-Like Operations - Fly from global runways, no vertical pads required



High Reusability - Low-cost, rapid turnaround with minimal ground crew



Dual-Use Capable - Ready for both commercial and defense missions

Adaptable Payload Design - Aerodynamically conformal spine bays

International Scalability - Global licensing potential through FAA certification

APPLICATIONS

- Suborbital science & microgravity R&D
- ISR & early-warning demonstrations
- Comms & relay testing in VLEO
- Aerospace hardware validation
- Hypersonic & thermal performance analysis
- Educational and university payload launches