

NEWSPACE MARKET · COMPANY PROFILE



SpaceWorks Enterprises

United States · founded 2000 · spaceworks.aero

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as of 20 August 2026



SpaceWorks Enterprises

SpaceWorks Enterprises, Inc. (SEI) was founded in 2000 by Dr. John Olds on the cusp of the NewSpace revolution, with a vision of accelerating novel aerospace design methods, technologies, and business models. Headquartered in Atlanta, Georgia, the company has grown from a small startup into a diversified group of collaborative business units spanning conceptual design consulting, defense and space hardware, and aerospace engineering software, and has spun off several ventures including Generation Orbit Launch Services, Blink Astro, and Terminal Velocity Aerospace. SpaceWorks' Defense & Space product line focuses on rapid prototyping, hardware test, and mission-ready hardware. Its RED family of entry systems (RED-25, RED-Data, RED-Phoenix) provides on-demand payload return from orbit, high-Mach thermal protection system and sensor testing, and recoverable hypersonic materials testbeds, while RED-Rescue is an air-launched drone delivery device for personnel recovery and disaster relief missions. The company's Space Operations line includes FuseBlox, a patented spacecraft docking and commodity transfer connector providing power and data transfer between docked spacecraft, and a Mono-propellant Deorbit Stage (MPDS), an affordable in-space maneuvering stage for deorbit, debris cleanup, and satellite servicing missions. Beyond hardware, SpaceWorks also develops and licenses aerospace engineering software (Cart3D Plus, Kingfisher, Manta, QuickShot, REDTOP) used for CFD, trajectory optimization, and propulsion design, and provides advanced development consulting services covering conceptual and preliminary engineering design for hypersonics, human lunar exploration, and space access vehicles. The company's leadership team, several with 20+ years of tenure and Georgia Tech

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SERVICES

Services

Advanced Aerospace Design and Development SpaceWorks provides advanced aerospace design and development services to government agencies, aerospace contractors, and start-up companies.	Multi-disciplinary Systems Analysis SpaceWorks offers multi-disciplinary systems analysis to clients throughout the program lifecycle, providing industry-leading value.
Software Development SpaceWorks develops innovative software applications designed to build, analyze, and visualize, offering faster execution, flexibility, and robustness.	Subsystem Level Expertise SpaceWorks offers subsystem level expertise to clients throughout the program lifecycle, providing industry-leading value.

Product catalogue



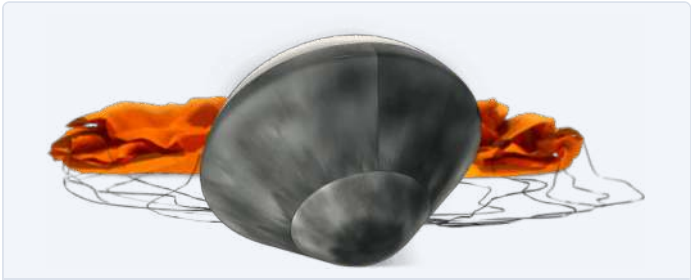
SPACEWORKS ENTERPRISES

FuseBlox Small Satellite Docking Mechanism

2U patented small satellite docking mechanism enabling structural coupling, power transfer, and data transfer between on-orbit spacecraft.

Form factor	2U
TRL	6
Functions	Structural docking + power transfer + data transfer
Heritage	DARPA and AFRL sponsored development

TRL 6 price on request



SPACEWORKS ENTERPRISES

RED-25 Precision Payload Return Capsule

Autonomous 25 kg payload return capsule with guided parafoil precision landing, targeting on-demand cargo return from orbit.

Payload capacity	25 kg
Diameter	1.0 m
Mass	<120 kg
Landing	Guided parafoil precision

price on request

SPACEWORKS ENTERPRISES

Nanosat Express Deployment Service

Rideshare and deployment service for 1U-27U nanosatellites and CubeSats, providing affordable access to ISS-deployment orbits.

Size range	1U to 27U CubeSats
Deployment method	Rideshare / ISS-deployed

price on request

Contact SpaceWorks Enterprises

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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