

2025



\$116M+

**IN FUNDING AND CUSTOMER
CONTRACT WINS FOR THE
NEWSPACE IGNITOR
COMPANIES**

ACCELERATING INNOVATION

NewSpace Nexus is building the space innovation pipeline through our flagship program, the NewSpace Ignitor.

GROW FASTER: FROM CONCEPT - TO PRODUCT - TO SALES



ELEVATE READINESS LEVELS



FAST-TRACK PRODUCT DEVELOPMENT



SHOWCASE COMPANIES TO INVESTORS AND BUYERS

info@NewSpaceNexus.org
NewSpaceNexus.org

In Partnership with Air Force Research Laboratory

NewSpace Nexus was established to **Unite and Ignite Space™** by bringing together space stakeholders, promoting a universal voice for space leadership, and growing the commercial space innovation base for the benefit of the nation.

We work with hundreds of space industry leaders across government, academia, and the private sector each year to address the complexities that prevent accelerated growth of individual space companies and the industry as a whole. We leverage our national work to better support the space companies' needs.

Our companies in the NewSpace Ignitor program have access to a wealth of resources inside and outside the Ignitor program, including our NewSpace Ignitor Team, our Ignitor Expert Network and our consultants and partners.

On behalf of our entire team, we are grateful for the support of our partners and are proud to show off our NewSpace Ignitor companies!

Casey Anglada DeRaad
CEO, NewSpace Nexus



NEWSPACE IGNITOR: GROW FASTER FROM CONCEPT - TO PRODUCT - TO SALES

Services Include:

- **Assessing company readiness levels and exploring how to elevate them.** Tech-to-market business services include needs/readiness assessments, TR-elevator® (Tech Readiness Elevator), market analysis, strategic planning, scaling curriculum, and pitch support.
- **Providing tailored navigation, guidance and opportunities** that guide companies to needed resources across the new space ecosystem, including connections to workforce and customer contract opportunities.
- **Accelerating product development** with access to shared facilities, labs and equipment at co-innovation workspaces and partner locations.
- **Preparing and showcasing companies** to investors and buyers to fast-track funding and sales.
- **Marketing and Messaging intensives and support**
- **Connecting to customers and end users**
- **And much, much more!**



**NewSpace Ignitor Team Members,
Companies, and Judges at Ignitor AAA
pitch**



MEET THE 2025 NEWSPACE IGNITOR COMPANIES





**ABOVE
SPACE**
HUNTSVILLE, AL
INFO@
ABOVE.SPACE

ABOVE Space tackles the challenge of transitioning space technologies from prototype to production. Our team boasts over 50 years of space heritage, 30+ successful missions, and accumulating 50,000+ days of space operations. We provide more space in Space™.

We bridge the gap by offering on-orbit test beds through our innovative Prometheus Fleet. The first of this fleet is the Prometheus SPARK™ platform, providing satellite micro-facilities for versatile hardware validation and hosted payloads, allowing companies to test and refine their technologies in the space environment, minimizing risk and accelerating development.



Rendering of ABOVE facility

Our core offerings include:

- Versatile Micro-Facilities: Dedicated on-orbit testing and hosted payload capabilities within the Prometheus platform.
- Scalable Platforms: The Archimedes Program offers unique features like point-to-point energy transmission and pressurized environments for future missions.
- Seamless Payload Integration: Our team ensures compatibility and expedites the deployment of your hardware.
 - Expert Guidance: Leverage the experience of our spaceflight veterans throughout the design, engineering, and launch process.
 - Explore Future Vision Platforms: We're developing solutions for pressurized environments and variable gravity applications.



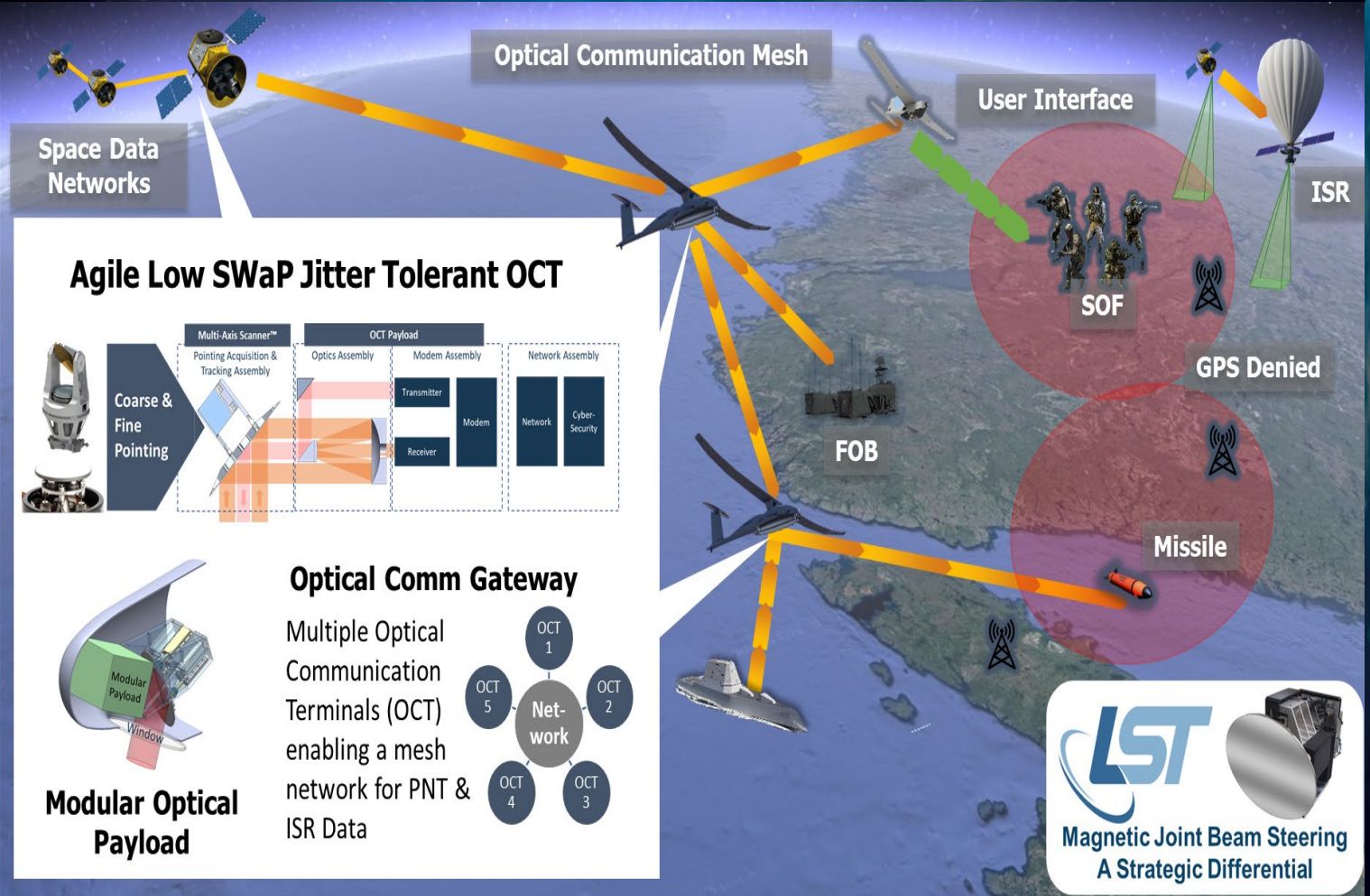
RHONDA STEVENSON, CEO

“We at ABOVE Space are proud to have participated in the NewSpace Nexus' NewSpace Ignitor Program. This valuable opportunity has been instrumental in progressing our journey. The support and resources provided by NewSpace Nexus, in partnership with the Air Force Research Laboratory, have greatly benefited our development. We appreciate their dedication to advancing the commercial space innovation base. We look forward to leveraging the connections and resources gained through this program to drive further success in the space industry. Thank you for your partnership and belief in ABOVE Space's mission.”

- Rhonda Stevenson, CEO



RENDERING OF BST SATELLITES



BERLIN SPACE TECHNOLOGIES NORTH AMERICA

ALBUQUERQUE, NM
DAVIS@BSTNA.SPACE

BST North America is a vertically integrated spacecraft manufacturer that revolutionizes access to space with low-cost, ahead-of-schedule, performance-beating satellites that are mass-manufactured at a fraction of the cost of traditional satellites and constellations. With mature technologies and over 100 missions in space, we can take your mission to new and exciting frontiers in ways that were previously impossible.

Beginning in 2010, the company started as Berlin Space Technologies in Berlin Germany focusing on making low-cost, custom-made satellite programs for developing nations utilizing COTS components that were space-qualified in-house. Since then, our hardware has performed on numerous missions including on the International Space Station. In 2018, the company began to grow into mass manufacturing with planned international expansion of manufacturing—the first factory standing up in 2021 in India. The first satellite from this factory was built during the COVID-19 pandemic using remote instruction and coordination with tools normally used in the motion picture industry. By 2022, BST's efforts to build a factory in the United States was initiated, selecting Luke Davis to lead these efforts. Since then, BST North America has graduated from the U.S. Space Force-funded Q-Station Accelerator and is working on building the North American factory in Albuquerque, New Mexico—The Heart of Space Valley.



LUKE DAVIS
DIRECTOR

“BST is privileged to have expert advice and guidance of the NewSpace Nexus team via the Ignitor Program. Efforts so far include launching the AFR-1 satellite on the SpaceX Transporter-8 Mission from Vandenberg Space Force Base, working through the challenges of legal and corporate formation, and starting a funding round to build the Albuquerque-based factory.”

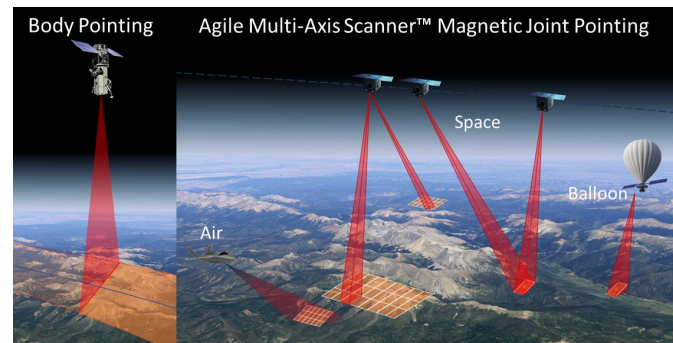
- Luke Davis, Director

LIGHT STEERING TECHNOLOGIES

NASHUA, NH
AARON.CASTILLO@
LIGHTSTEERING.COM

Light Steering Technologies, Inc. (LST) has pioneered a revolutionary magnetic joint pointing technology that is an emerging standard in high performance steering of sensors and laser applications.

This advancement has led to unprecedented and affordable improvements, redefining the state of the art in various gimbal-based applications. A striking illustration of this breakthrough comes from a proliferated low earth orbit DARPA program, where we demonstrated a remarkable 10-fold enhancement in power and a two-time increase in speed over the state of the art.



Applications we disrupt include space and terrestrial sensing, laser communication, directed energy, and various industrial applications such as additive manufacturing and metrology.



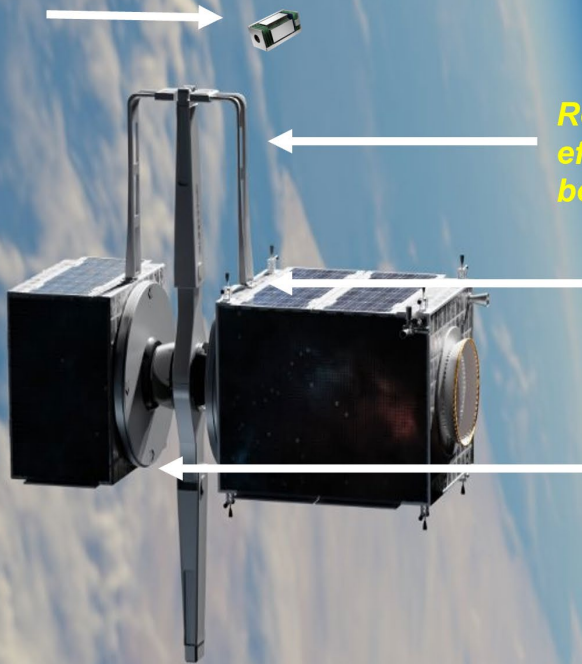
AARON CASTILLO, SR VP OF
BUSINESS DEVELOPMENT

“NewSpace Nexus has played a crucial role in refining our message and enhancing our connections with customers. Throughout the program, LST has forged strategic relationships and advanced the commercialization of our products with key customers. The LST team is grateful for the opportunity to be part of the new space initiative, with organizational support that has helped us establish a strong foundation for the future.”

- Aaron Castillo, Founder and CEO.

Effector deployed at up to 450 m/s without firing a thruster

SPACE KINETIC

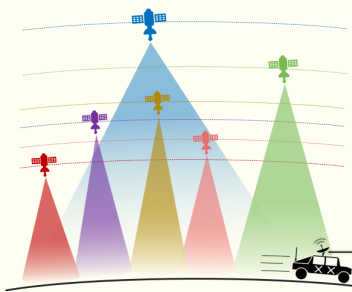


Rotary arm accelerates effector to specified velocity before deployment

Magazine of 100+ micro-effectors enable 'one-v-many' applications

Space Kinetic-built reaction wheels absorb angular momentum to stabilize host spacecraft

Missile Defense | Space Superiority | SSA | SDA
Dynamic Space Ops | Multi Domain Effects



Satellite coverage and capacity varies over time and location

Mobile platforms must use multiple constellations to maintain coverage
But multiple constellations means multiple antennas...

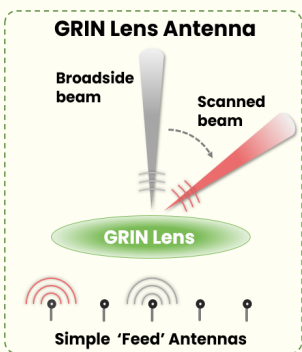
Cheshir's terminal will link to all constellations with a single antenna



CHESHIR INDUSTRIES

Multi-constellation antenna solution – "Cheshir GRIN"

Gradient Index (GRIN) Lens Antennas



Compared to incumbent antenna tech:

- 4:1** reduction in total system size and weight
A single antenna for all constellations – reduces total components, volume and cost
- 20:1** reduction in total power consumption
Minimal power draw – allows for deployment on power-constrained platforms

Standard performance capabilities:

- ✓ Beamscanning
- ✓ Multi-beam



SPACE KINETIC

ALBUQUERQUE, NM
EL SEGUNDO, CA
SPACEKINETIC.COM

Space is Our Ultimate High Ground

Space Kinetic is building a space-based electromechanical deployment system to bring drone economics to the space domain. This technology innovation brings a new paradigm to space operations, one that moves away from 'one-to-one' and enables 'one-to-many' engagements across space superiority, missile defense, and space situational awareness missions.



Space Kinetic's
manufacturing
Facility



“The NewSpace Ignitor Program has been a powerful catalyst for Space Kinetics' growth and immersion into the New Mexico Space ecosystem.”

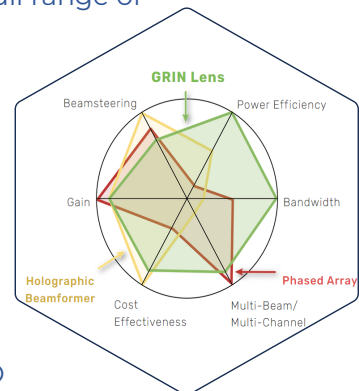
CHESHIR INDUSTRIES

ALBUQUERQUE, NM
NICO@CHESHIRGRIN.COM

Cheshir Industries designs true multi-band orbit-agnostic ground terminals for mobile SATCOM applications. Their next-gen wireless hardware, enabled by the “Cheshir GRIN” antenna technology, will be capable of instantaneously closing multiple links over the full range of current and anticipated SATCOM frequencies.

This capability allows a single ground terminal with minimal antenna hardware to access the full range of commercial and government satellite constellations at any given time, providing an unprecedented degree of link-flexibility and overall connection resilience.

Their ground terminals will also be capable of addressing constellations in varying orbits on a per-need basis: the lightweight communication system can preferentially close LEO links to optimize for low latency but may switch to GEO coverage as a contingency.



Advantages of
Cheshir GRIN lens

NICO GARCIA
FOUNDER
& CEO



“NewSpace Nexus has an exceptionally far-reaching network, encompassing everything from potential partners to customers and (crucially) investors. The Ignitor Program provides well-tailored access to this network and – as a result - has tremendously bolstered Cheshir's network growth. The last five months have really been a rocket ride for us in terms of accessing, understanding, and addressing our market – and we have the Ignitor program to thank for that,”

– Nico Garcia, Founder & CEO



DASH2 LABS

SWIFTER DECISIONS, SMARTER OUTCOMES



STREAMLINE
DECISION
MAKING



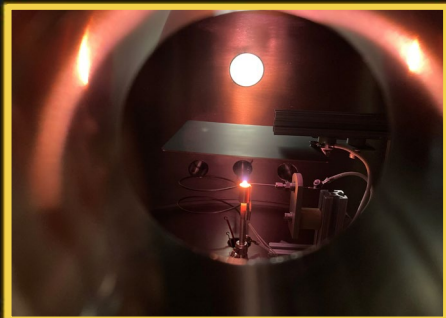
CENTRALIZED
KNOWLEDGE
ACCESS



TURN BEST
PRACTICES INTO
SHARED CAPABILITY



Our legacy is one of
innovation and success,
and **we're not done yet.**



Successfully completed initial testing of prototype discharge and neutralizer cathodes developed for Turion Space Corp.'s TIE-20 ion Thruster



Rendering of high-performance Krypton Thruster for TURION Space Corporation (in development)



DW-1 propulsion test facility expanding in-state qualification capability



WHERE INNOVATION MEETS SPACE PROPULSION

desertworkspropulsion.com

DASH2 LABS

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Dash2 Labs develops secure, agentic AI systems for mission-critical environments. Its patent-pending core technology, Secure Agentic Guidance at the Edge (SAGE), is a domain-adaptive expert AI system that captures, curates, and delivers operational intelligence at the point of work. By unifying industry standards, best practices, institutional know-how, and expert reasoning, SAGE turns distributed knowledge into real-time, decision-ready guidance accessible through natural voice or text.

SAGE is a force multiplier—an edge-native, agentic digital expert that collapses search into seconds, standardizes execution, and scales expert reasoning across entire workforces. It democratizes subject-matter expertise, empowering teams to think strategically with confidence, knowing that decisions are grounded in centralized, real-time information. The result is measurable: **faster onboarding, fewer errors, tighter compliance.** The result is also strategic—**organizations spend less time finding information and more time using it to move the mission forward.**

Dash2 Labs is hyper-focusing SAGE on additive manufacturing (AM), advancing two critical missions. First, it empowers U.S. manufacturers—especially the small shops that make up over 95% of the industrial base—to meet aerospace-grade standards through curated digital expert guidance delivered via an interactive system using both text and voice. Second, it enhances DoD readiness by enabling secure, confident 3D printing of failed components in denied environments, ensuring forward-deployed units maintain supply-chain resilience and mission continuity.

Biggest Wins During Ignitor Program

- Doubled revenue year over year. Dash2 Labs has been fully bootstrapped for its first three years of operation and is now raising a \$1.5M pre-seed round to scale its technology.
- Filed three provisional patents, including one for its core technology, Secure Agentic Guidance at the Edge (SAGE).
- Advanced SAGE significantly during the Ignitor Program, enhancing its scalability across multiple sectors. The company is now seeing growing demand from aerospace, government operations, advanced manufacturing, medical, and ecosystem communications markets.
- Our team has grown from 1 full-time employee to 5 full-time employees. We also hosted 5 UNM and CNM interns during the course of the Ignitor Program.



COFOUNDER AND CEO
JOHN
HERNANDEZ

“NewSpace Nexus has fostered connections across the space industry and offered comprehensive learning opportunities, helping our firm maintain a broad perspective for strategy and tactics development.”

- John Hernandez, Co-Founder & CEO

DESERT WORKS PROPULSION

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MJPATTERSON@
DESERTWORKSPROPULSION.COM

Desert Works Propulsion is a pioneering company pushing the boundaries of spacecraft electric propulsion. With a combined 180+ years of industry experience, the team brings deep expertise in thruster design, modeling, and testing, helping advance the next generation of high-performance propulsion systems.

Building on that foundation, Desert Works Propulsion has evolved from a specialized consultancy into a full product development company—designing, prototyping, and testing next-generation ion thrusters and system components. Through its partnership with Jaguar Precision Machine in Albuquerque, DWP is strengthening domestic capability for propulsion fabrication, assembly, and testing. The company operates a dedicated propulsion test facility in New Mexico and is planning additional infrastructure to support full thruster assembly and integrated system testing with Jaguar. DWP continues to advance proprietary ion thruster architectures and testing methods to improve performance and manufacturability across future spacecraft applications. Recent highlights include a successful high-current cathode test campaign and continued expansion of its in-state capabilities.

Our legacy remains one of innovation, precision, and passion for electric propulsion — strengthened by collaboration, proven expertise, and a renewed focus on product development and testing excellence.



MICHAEL J. PATTERSON
CHAIRMAN/FOUNDER

“The Ignitor program gave us valuable perspective and access to peers and mentors across New Mexico’s growing space ecosystem. Those insights helped us strengthen our foundation and expand beyond engineering support into full product development—designing, prototyping, and testing next-generation propulsion systems. The connections we made through Ignitor directly shaped how we’re building our business today.”

- Michael J. Patterson, Chairman/Founder

Introducing the World's Most Advanced AI
Autonomy Solutions for Space

SpacePilot



One payload, one onboard computer, zero engineering.



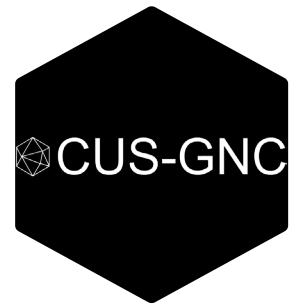
Connects your payload to any space vehicle immediately
Transition from suborbital to lunar with no engineering
Flying gov + commercial - one payload per quarter in 2025

CUS-GNC

GAITHERSBURG, MD
INFO@CHESIUAASSOL.COM

CUS-GNC was started for development of drones for autonomous operations and shifted to spacecraft autonomy.

We are deeply dedicated to delivering unparalleled and practical results to our clients, boasting a core expertise in Guidance, Navigation and Control (GNC) systems. This specialization underpins our extensive experience in the development, design, launch, and operation of small satellites, as well as our proficiency in developing and deploying drones. Our ethos centers around sharing our in-depth GNC knowledge, alongside our state-of-the-art facilities and high-quality workforce, through tailored collaborative projects and contractual agreements.



This system is designed to bolster the burgeoning LEO economy by providing essential support for missions involving refueling, in-orbit assembly, spacecraft formation flying, and Earth observation, among others. Our aim is to facilitate a new era of self-reliant, agile satellites capable of sophisticated maneuvers and operations, ultimately driving the expansion of LEO commercial and scientific activities.

ECOATOMS

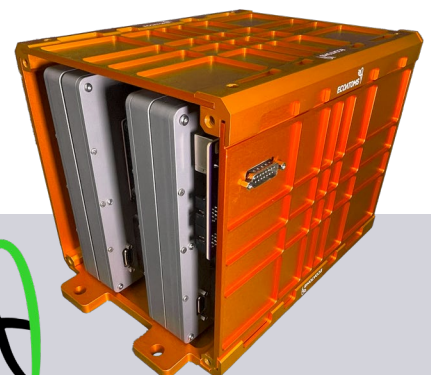
RENO, NV
SOLANGE@ECOATOMS.COM

Ecoatoms is a U.S. NASA partner focusing on payload batch-manufacturing and on-board computers. Our company has recently signed our first Space Act Agreement (NASA), was previously awarded an AFWERX Challenge, the Reef Starter Innovation Challenge -Blue Origin-, the NASA REDDI AWARD and most recently the NASA TechLeap Prize. This year alone, Ecoatoms will fly one payload per quarter in different vehicles. Our team from SpaceX, NASA JPL, Stanford and other institutions has raised a seed round lead by Stellar Ventures to complement our commercial and government revenue and is looking to partner with other top tier VCs and government agencies to further our developments in space.

"We believe that one of the most important factors of space manufacturing is validating the use cases with relevant markets on Earth. Our objective is to identify those use cases, test them in [the space environment] and develop unique products to sell on Earth [and become] the gold-standard for space manufacturing in this domain" - Solange Massa M.D. Ph.D., CEO and Founder

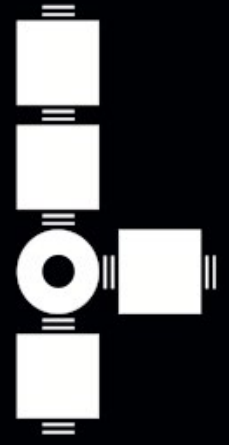
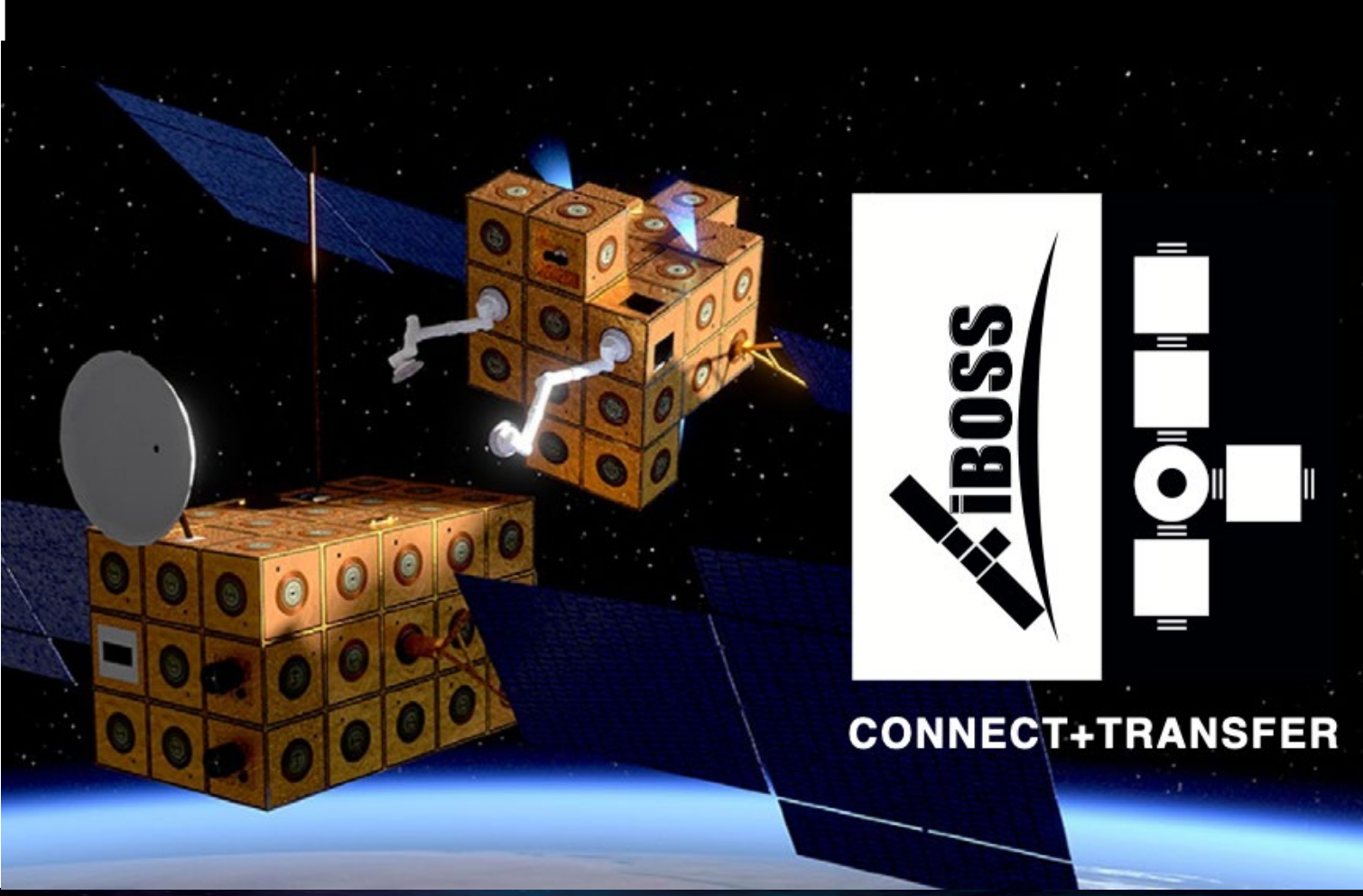


**SOLANGE MASSA MD PHD
CEO**

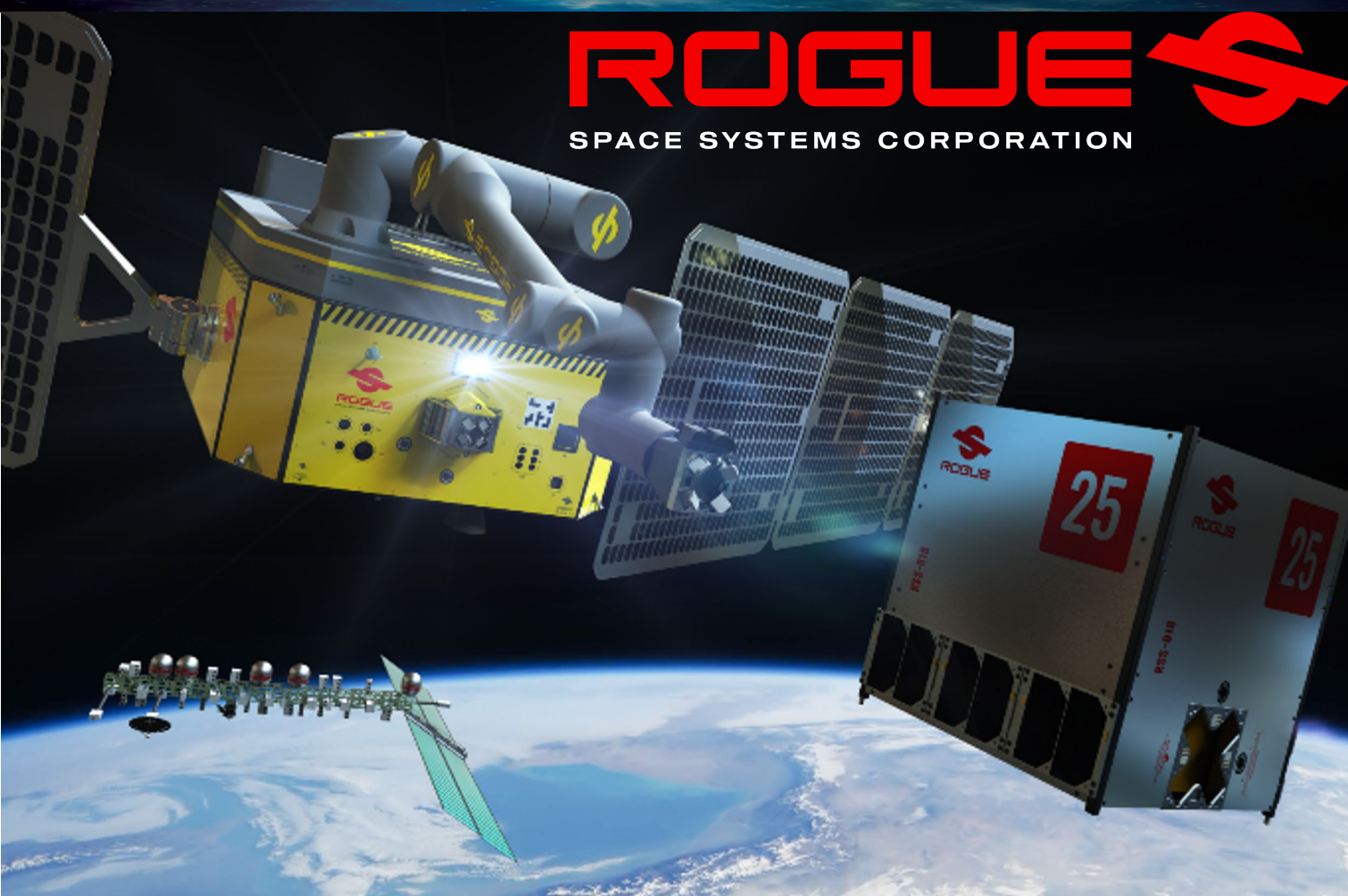


ECOATOMS





CONNECT+TRANSFER



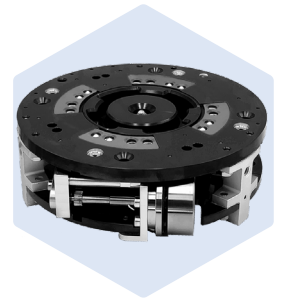
ROGUE 

SPACE SYSTEMS CORPORATION

iBOSS.SPACE US
ALBUQUERQUE, NM
iBOSS.SPACE

Stay Ahead in Space!
Get **iSAM-Ready** with **iBOSS Inside**

iBOSS = THE ISAM INTERFACE COMPANY! Founded in 2017 with offices in Germany and the United States, iBOSS contributes to space industrialization and enables ISAM (In-Space Servicing, Assembly and Manufacturing) stakeholders to develop new systems and applications, operational and business models. iBOSS develops interfaces for space infrastructure and logistics based on modular architectures, hence ISAM. The focus is on "Connect + Transfer" with the core products iSSI (intelligent Space System Interface) and iFEX (intelligent Fuel EXchanger). Additional solutions include iBLOCK and iSAT. iBOSS = Driving Flexibility and Sustainability in Space!



iSSI®
(IOD 2022)



JOERG KREISEL
CHAIRMAN + CO-FOUNDER

iBOSS offers products and services, technical consultation, and engineering and R&D solutions spanning the component, subsystem, system, and operational levels for space, aerospace, and terrestrial vehicles and infrastructure, as well as associated modularity and robotics. There is a special focus on ISAM with the iSSI, iFEX, iBLOCK, and iSAT products!

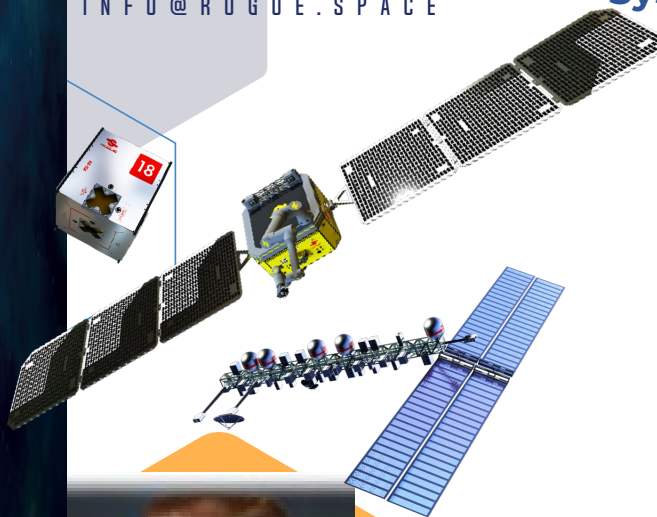
"While the company has achieved significant success, the NewSpace Nexus Ignitor program is an ideal fit to take iBOSS® to the next level by expanding its U.S. presence and maturing its interface technologies."



- Joerg Kreisel, Chairman + Co-Founder

ROGUE SPACE
LACONIA, NH
INFO@ROGUE.SPACE

Versatile Rendezvous & Proximity (RPO) Space Systems at scale



Rogue Space Systems delivers highly responsive, cost-effective turnkey orbital logistics. Our modular, mobile, and reusable platforms provide power, propulsion, refueling, and compute as shared services—enabling both government and commercial customers to extend mission life, enhance security and scalability, and advance sustainable operations in space. We pioneer a collaborative, circular logistics network—supporting everything from national security to in-space manufacturing—so that each payload, partner, and mission benefits from extensible, persistent infrastructure above Earth.

We're actively seeking hosted payload customers who are driving progress and like-minded partners passionate about micro-gravity manufacturing and creating new markets beyond old boundaries.

Rogue's Circular Logistics Infrastructure moves "payloads, products, and progress" to orbit and back, offers plug-and-play integration, to keep space operations continuously productive, adaptive, and resilient.



BROOK LEONARD
CHIEF EXECUTIVE OFFICER

"At Rogue, our purpose is to build a legacy in space through collaborative, purpose-driven innovation—creating the enduring infrastructure and trusted partnerships needed to secure our future beyond Earth. The New Space Nexus Ignitor program has been a valuable resource toward fulfilling this purpose!"

The Lowest Cost Trucking Company to Anywhere in Space, Including the Lunar Surface.



Space Intelligence & Logistics for New Age™

AADI Space Inc.
San Jose, CA
<https://www.aadi.space>

SPACE ENGINE SYSTEMS INC.

CANYON COUNTRY, CA

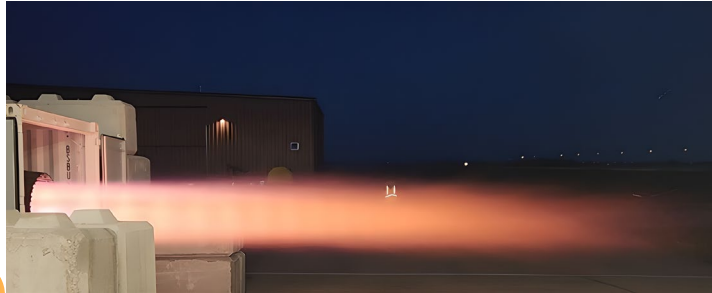
SPACEENGINE SYSTEMS.COM

Lowest Cost Trucking Company to Space

Space Engine Systems Inc. is working towards launching payloads into LEO and deliver payloads and humans to the moon. In pursuit of this goal, they have developed a turbo-ramjet that has been ground tested and is currently being integrated for flight testing within the year.



DASS GNX
Turbo-Ramjet
Cycle Engine



Space Engine Systems

AADI SPACE

SAN JOSE, CA
SPACECONTACT@
AADI.EMAIL

Space Intelligence & Logistics for New Age™

AADI Space is a Space Intelligence & Logistics company. We want to make in-space logistics and life extension a commodity service.

Our goal is to offer mission-as-a-service for logistics missions including asset relocation, defunct asset de-orbiting and much more. We offer a space asset protection service for large space assets such as private space stations by mitigating potential conjunctions with defunct assets and orbital debris.



AADI's OTV clustering platform can carry out logistics missions for targets of any form factor. which means we will be able to relocate/transport space assets as small as a cube sat and as large as starship.

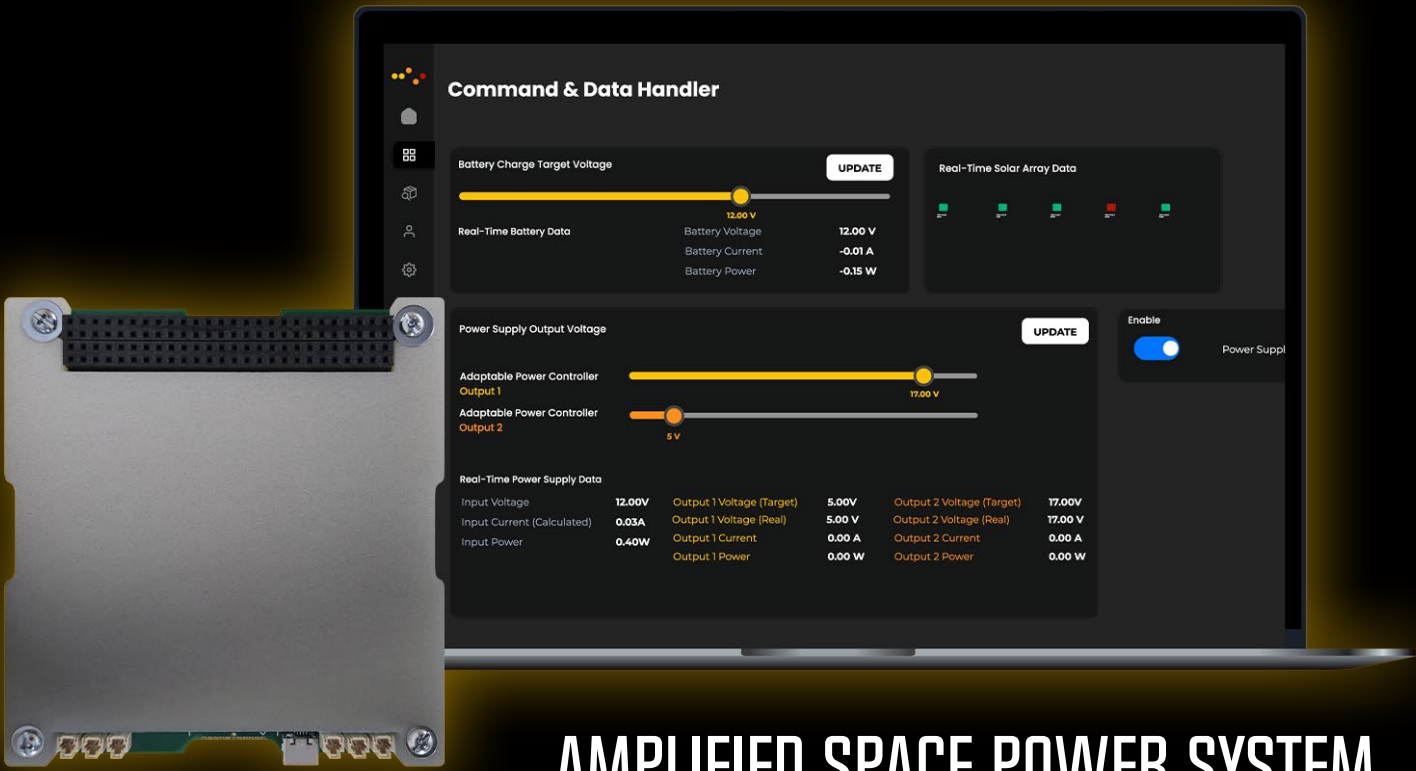
- AADI's Ground Station software suite offers comprehensive space asset management, mission planning, trajectory optimizations, RPO missions.
- AADI's Falcon: AI/ML based RPO sub-system (Patent pending) : coming up..



JAYRAM DESHPANDE
FOUNDER & CEO

“The NewSpace Ignitor program has given us a platform to effectively engage with the govt customers. Casey and team has been phenomenal in organizing SSIB and other events to bring space industry together. Since inception, our goal is to collaborate successfully with both, govt and commercial players. And the program has been helping us create long lasting bridges with our potential govt customers. “

– Jayram Deshpande , Founder and CEO



AMPLIFIED SPACE POWER SYSTEM



Davidson

AMPLIFIED SPACE

LAFAYETTE, CO
AMPLIFIEDSPACE.COM

AmplifiedSpace is developing a new class of spacecraft power systems that is digitally-controlled, allowing late-stage design changes to support agile development and rapid manufacturing. Our power supplies use universal hardware that is software-configurable for simple integration into nearly every satellite currently in development. For the first time ever, our customers can buy now and configure later.

AmplifiedSpace was founded in 2020 in Lafayette, Colorado when founder Jerome Hittle produced a new way to develop power systems with the aim to reduce spacecraft development timelines from 24 months to 1 month. He wanted to produce simple, reliable, configurable power systems that provide guaranteed performance so that his customers can focus on their technology development and delivery without the fear of their power system failing.



Demo Product

AmplifiedSpace currently has four flights planned for their products in the next year, which will allow them to provide proof that their products work in the space environment. To date, they have sold 12 units of their software-defined power systems with 30 in the pipeline and plan to expand their product offerings, also known as WattDots™, based on customer demand.



JEROME HITTLE
FOUNDER & CEO

“The NewSpace Nexus Ignitor Program has provided our company with new introductions to key players in the DoD that wouldn't have been possible without our participation in the program. The ability to meet face-to-face with stakeholders in New Mexico, especially at events like SSIB and BFI, has given our company priceless networking opportunities that are likely to lead to future contracts.”

- Jamie Brandess, COO

DAVIDSON TECHNOLOGIES

HUNTSVILLE, AL
INFO@DAVIDSON-TECH.COM

Enhancing Space Custody: Advanced Machine Learning for Scalable, Accurate Space Object Tracking

Davidson Technologies is focused on advancing the Space Custody Engine (SCE), a groundbreaking software solution aimed at enhancing Space Domain Awareness (SDA). The SCE incorporates machine learning and sensor fusion techniques to provide a comprehensive, real-time catalog of space objects, enabling better collision avoidance, sustained custody of high-priority targets, and the more efficient use of orbital space.



Davidson Technologies has broadened its customer base significantly over the past few years by securing contracts with major defense and intelligence agencies. The company has strengthened its position in key areas such as missile defense, space domain awareness, and artificial intelligence applications for defense, becoming a trusted partner to government organizations.

NEW SPACE

S P O N S O R

Neutralize Cyber Threats Before Hackers Strike

DeployHub's Continuous Vulnerability Management platform delivers mission-critical threat monitoring, intelligence, and rapid countermeasures across the software supply chain.

With a proactive defense strategy, DeployHub accelerates patch deployment and threat response cutting remediation time from months to minutes preventing costly, mission-critical breaches.



DeployHub

Start today at Deployhub.com



Folding big capability into small
satellites

DeployHub instantly neutralizes code-level cyber threats. By maintaining tactical control over software package vulnerabilities, DeployHub exposes where vulnerabilities are running to accelerate the deployment of patches across all software assets. DeployHub easily scales to HPC, Cloud Native, IoT, embedded, and space vehicle systems.



**Fix Fast or
Risk Attack**

At DeployHub, we envision a world where software systems are as resilient and self-sustaining as the human immune system. Just as the body swiftly detects and combats infections, we empower organizations with automated, self-healing digital immunity to neutralize code-level vulnerabilities across all software assets. Our mission is to deliver rapid, effortless protection for all digital assets, ensuring security and resilience with minimal manual intervention.

TRACY RAGAN

CEO

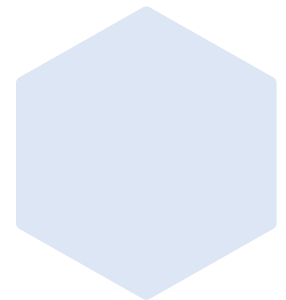


“The NewSpace Nexus Ignitor Program has been instrumental in opening doors for DeployHub. It has connected us with top researchers, funding opportunities, and strengthened our market branding. Thanks to Ignitor, we’re accelerating innovation and making a greater impact in the space tech industry.”

- Tracy Ragan, CEO

Folding Large Satellite Capability into Small Satellites

Our Flat-pack Antenna and Lidar Systems are unique due to their origami-inspired deployable design, enabling large functional structures to fit on small satellites. These systems are high-performance, scalable solutions that solve critical limitations in satellite payload size, weight, and power. These systems will have the capability to rapidly transition between stowed and deployed states on orbit.



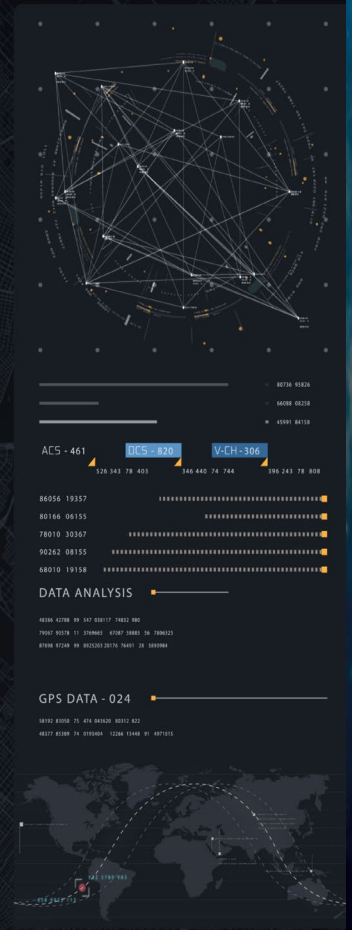
This "stow-and-go" capability will enable satellites with large deployable structures to rapidly enact high ΔV maneuvers for debris and threat avoidance and orbital relocations. The FlatPack systems will be the first in the industry to combine the increased capability of large deployable systems with responsive maneuverability



PROPEL

S P A C E

Pushing the boundaries of in-space mobility



Cybersecurity Transformation for Every Domain

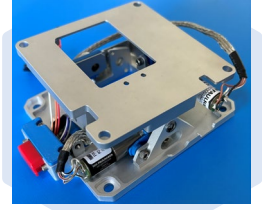
PROPEL SPACE, INC.

BROOMFIELD, CO

INFO@PROPELSPACE.COM

Space Mechanisms On-Demand

The majority of spacecraft in the SmallSat industry are still designed as boxes that must rotate to do their missions while the larger vehicles have had the dexterity and ability to maximize their missions with flexible architectures. It is time for the SmallSat industry to receive the same benefits and opportunities. SmallSats need greater flexibility for volume efficient systems to allow antenna pointing, optical pointing, and thruster pointing allowing them to have shorter ConOps and greater mission optimizations. EO, RPO, servicing, refueling, high delta-V transfers, all these missions require new ways to be more efficient in their mission, their operations and their business models. That's where Propel Space comes in.



PM-2



ALEX DEUTCH
FOUNDER & CEO

Propel Space is driving the COTS solution for space mechanisms for the small sat industry with unparalleled lead times, low cost and volume efficient solutions. Our product lines are designed for small sats, allowing them to maximize their revenue streams and payload volumes taking the risk and pain of trying to vertically integrate custom solutions.

“The Ignitor Program has been a powerhouse of a partner providing industry connections and having detailed reviews on how to improve our messaging and visibility. It has been a vital asset to enable our business to grow!”

- Alex Deutch, Founder & CEO

RIVERSTONE SOLUTIONS, INC.

HUNTSVILLE, AL

INFO@RIVERSTONESOLUTIONS.COM

Cybersecurity Transformation for Every Domain

Riverstone Solutions delivers custom cybersecurity solutions to Civil, Defense, Space and Commercial Industry markets. Our Oxbow Security Platform ingests, analyzes machine generated data, delivers custom cybersecurity threat reports and AI driven incident response capabilities.



*Managed
Cybersecurity
Solutions*

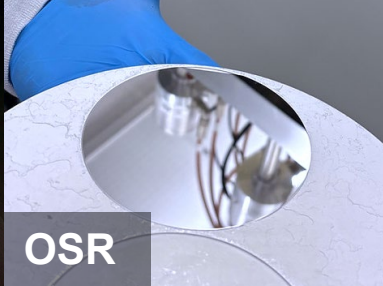
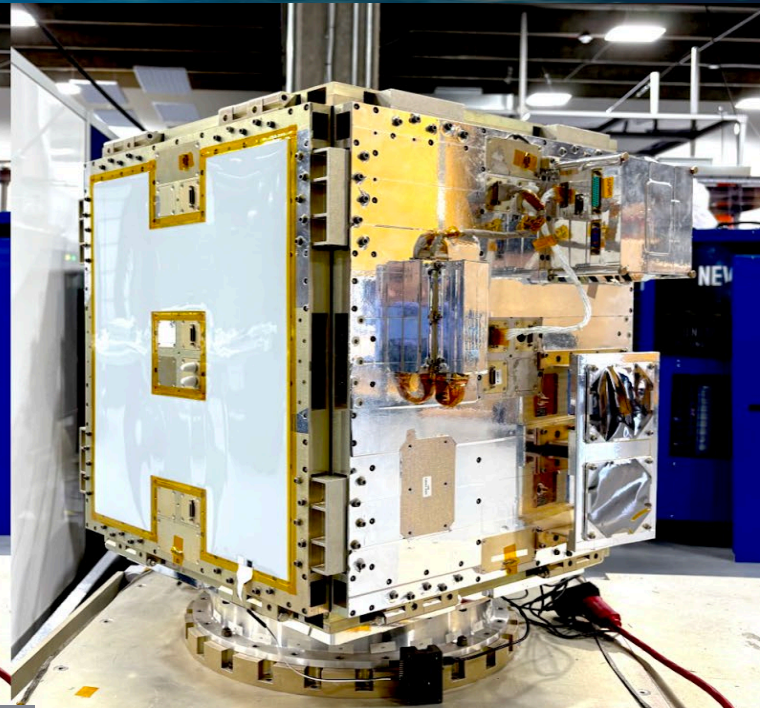
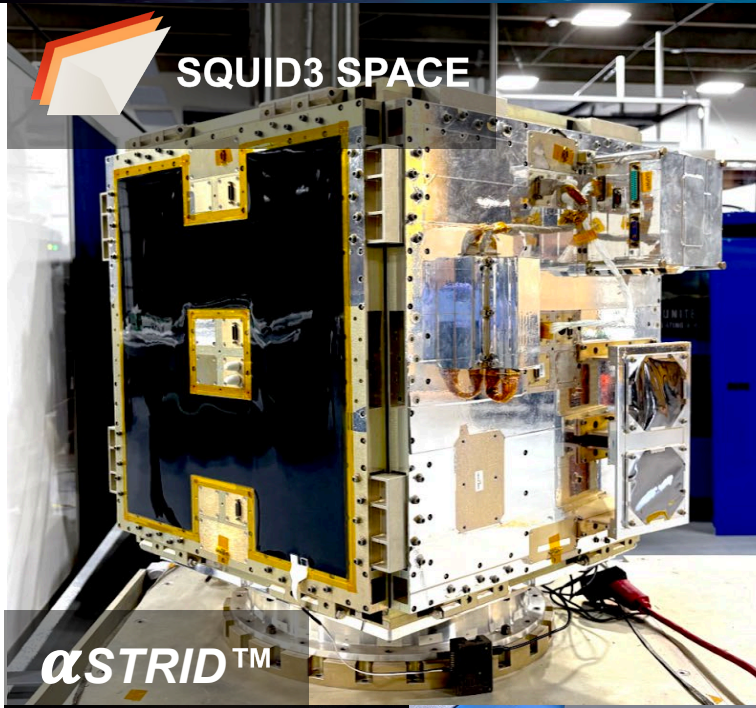
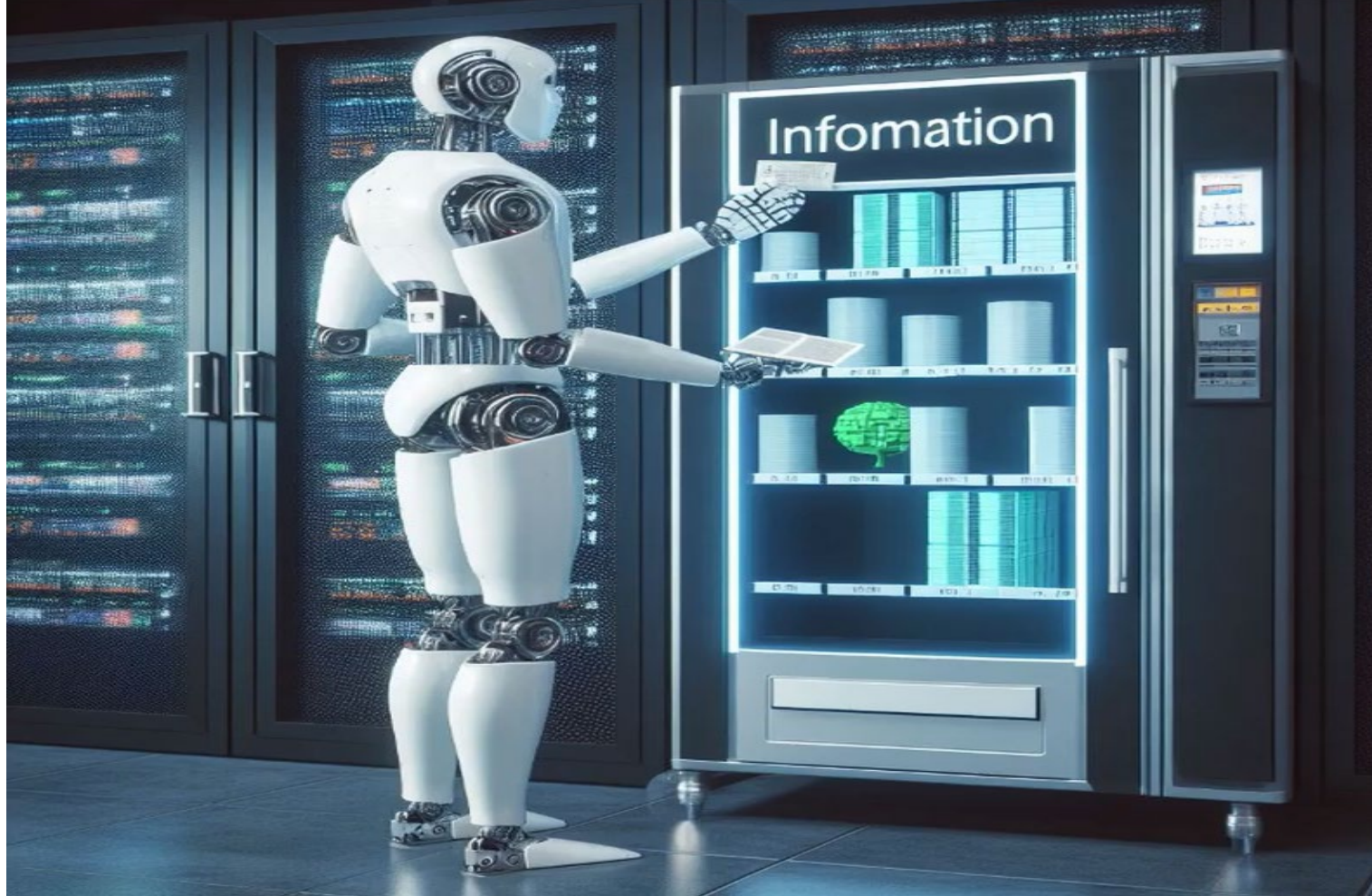


ANGELA RITTENBACH, CEO

Riverstone Solutions, Inc. is a woman owned (WOSB), HUBZone (Historically Underutilized Business Zone) small business in Huntsville, AL delivering professional services and custom solutions in data engineering, cybersecurity, and commercial space solutions.

“NewSpace Nexus has been instrumental in helping us identify our commercialization and go to market strategy for Oxbow and new products to advance cybersecurity for the commercial space sector.”

- Angela Rittenbach, CEO





SHOCKNET is working on development of their DVM's, Data Vending Machines, to allow for small scale flow of proprietary data. Space companies have more data than they know how to use, while others don't have access to all the data they could. Micro-payments fill the gap between giving away data for free or selling it in bulk to institutions. In this gap are countless individual researchers and AI models that can discover new use-cases for the data and accelerate ROI for satellite operators.



JUSTIN HILTON
FOUNDER & CEO

“The Ignitor Program has been provided us a great deal of insight into our own products, particularly as we're coming from outside of the vertical. Learning from other companies and experts through the program has created entirely new mental-models for how our disruptive technologies can be applied in supporting of one of the most critical industries in our nation.”

- Justin Hilton, Founder & CEO

We are a Trusted Supplier and Solutions Provider
for Spacecraft Thermal Control

SQUID3 has developed the industry's first aerospace-grade E-ink control system (*αSTRID™*) to help standard satellite manufacturers achieve rapid configuration and integration of their thermal control systems within hours. The company has previously completed a SpaceWERX SBIR Phase I contract (Contract No. FA864924P0893), successfully creating a software definable, multi-orbit thermal solution for Tactically Responsive Space (TacRS) missions. In October 2024, *αSTRID™* was successfully integrated with the flight-scale model of Air Force Research Laboratory (AFRL)'s Plug-and-Play Satellite (PnPSat-1) at NewSpace Nexus's Launchpad facility.



αSTRID™ to begin its 6-months ISS MISSE mission in December 2025



WARREN SU
COFOUNDER & CEO

Founded in 2023, SQUID3's core competencies include thermal control, materials engineering, and electro-optics. SQUID3's specialized services include the design and fabrication of Multi-layer Insulation (MLI) blankets, Optical Solar Reflectors (OSR), and Silver Teflon (AgFEP) tapes.

“Thanks to the generous support from NewSpace Nexus, we were able to streamline the development of our new products, rapidly test and qualify them in TVAC, and successfully demonstrate them on a full-scale satellite model. NewSpace Nexus provides an exceptional ecosystem that acts as a catalyst for space innovation.”

- Warren Su, Co-Founder & CEO

ELITE ALUMNI TESTIMONIALS



APHELION
A E R O S P A C E

During the Ignitor Program, Aphelion Aerospace closed their \$1m seed round and was promoted to NewSpace Elite.

- Aphelion Aerospace



DORNERWORKS

“The NewSpace Ignitor program has accelerated DornerWorks growth in the Space market. The team has provided expertise, connections, training, best practices, and they are fun to work with! While participating in the program, DornerWorks was awarded a SpaceWERX SBIR for our data networking TSN “HOV lane” on a chip. We would recommend the program to any innovative small businesses looking to grow in and contribute to the Space industry.”

- **Dr. Gregg Wildes, Innovation Director
DornerWorks**



“The NewSpace Nexus Ignitor program catalyzed the evolution of our sales and marketing strategies, unlocking novel markets and pioneering methods to harness vital sales opportunities from these avenues.”

- **John Quinn, Co-Founder & CEO
Exos Aerospace**



“NewSpace Nexus is really catering to my needs as a founder . . . There’s hardware, equipment, cleanrooms, thermal vacuum chambers . . . I would absolutely recommend it.”

- **Dr. Bill Goodman, Founder & CEO
Goodman Tech**



“We're honored to be a part of the NewSpace Ignitor program and their supportive community. NewSpace gave us valuable access to the professional and critical resources needed to accelerate our path from National Lab spin-off into a high-performance technology company.”

- **Andrew Clark, Co-Founder & CEO
Hoonify**

This active and enabling organization, [NewSpace Nexus], has established a foundation for government relationships that would not otherwise exist.”

– **Troy Morris, Co-Founder & CEO**
Kall Morris Inc.



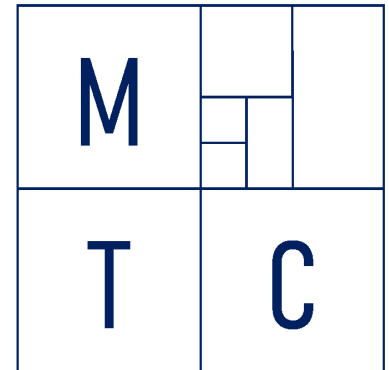
“I had a very good experience with investors here. In fact, we have a key investor that is looking at the company right now that we met through the [Ignitor] Program.”

– **Brad Berkson, COO**
Miles Space



“Being selected as part of the NewSpace Ignitor program and given the access to meet and work with space companies who want to learn about and use our disruptive AI tool to their benefit has been invaluable. Being part of the NewSpace Ignitor program for less than a year has helped us find our place in space.”

– **Susan Kaplan, EVP & CMO**
Modal Technology Corporation



Modal Technology Corporation

“The value that has been added to our company is multifaceted . . . The NewSpace Ignitor experience has spurred refinement of our initial JAMAIGA design, with valuable feedback from technical and customer perspectives, we can now leverage our existing technologies to accelerate JAMAIGA prototype development. . . and real connections to government and commercial.”

– **Dr. Stacey Jones, Founder & CEO**
O Analytics



“It took us months to get in front of [an AFRL Chief Scientist], and today [at NewSpace’s Launchpad] I got to spend as much time with him over lunch as I did over the previous year of phone calls.”

– **Patrick Shannon, CEO & Founder**
TrustPoint GPS

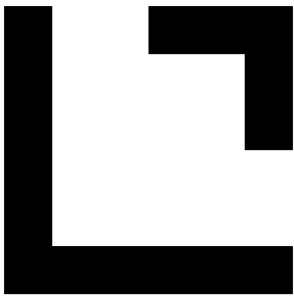


ALUMNI TESTIMONIALS



“During the program, Auriga Space secured \$5 million in funding, made great connections with valuable people, advanced prototypes and expanded their facilities and team. Blake Scholl, Founder & CEO of Boom Supersonic and Ashley Johnson, COO & CFO of Planet Labs joined as advisors. Winnie Lai says “Participating in the program has been a game-changer for us. It has not only facilitated valuable connections within the New Mexico commercial and defense communities; it introduced us to prospective users of our technology. We are absolutely thrilled with the results and what the future holds for Auriga Space.”

- **Winnie Lai, Founder & CEO
Auriga Space**



“NewSpace Nexus and its Ignitor program has helped to facilitate introductions to innovative people and organizations within the aerospace community. The access to venture firms, as an early-stage startup seeking fundraising, has created very valuable opportunities for Data2 as it continues to grow and mature.”

- **Eric Costantini, Co-founder & CBO
Data Squared**



“The NewSpace Ignitor Program has provided us access to a broad range of industry information and professionals that have helped us move off the drawing board and allowed us to grow our company as rapidly as we develop our products” says Steve Heller.

- **Steve Heller, Founder & CEO
Evolution Space**

ALUMNI TESTIMONIALS

"The NewSpace Ignitor program has been instrumental in helping Geedop navigate the space industry landscape, search for opportunities, and discover potential customers. The fast-paced approach in moving from concept, to product, to sales makes the Ignitor program unique, and the team at NewSpace Nexus has been especially qualified to help us accelerate this process."

- **Richard NAVA, CEO
GeeDop**



"The Ignitor program was instrumental in providing us with the resources and guidance to successfully launch our startup. The opportunities for networking and collaboration were invaluable."

- **Nadav Nachshon, Founder
GorillaLink**



"During the Ignitor program Lesath became a founding member of New York Consortium for Space & Technology, spearheaded by Cornell University. We are moving into the analysis phase of our combustion chamber."

- **T.A. Pawlah III, Founder & CEO
Lesath International**



"NewSpace Nexus has connected us with key contacts at AFRL at Kirtland, and through this collaboration we are advancing our technology within the DoD."

- **Alesandro Stabile, Founder & CEO
Magma Space**



ALUMNI TESTIMONIALS

PROOF LABS

"The NewSpace Ignitor program connected us with local business partners and interns. We conducted our space hardware forensics proof-of-concept with UNM COSMIAC as a direct result of our presence at the Launchpad."

- **Ric Aguilar, Co-Founder**
Proof Labs



"Things have been extraordinary for RS21 since joining the NewSpace Ignitor program. We have received venture capital funding. We have been introduced to dozens of interested customers both in the government and commercial sector. And we have started to receive valuable contract wins. Things are really taking off for us."

- **Charles Rath, President & CEO**
RS21

sci_Zone

Think, Create, Build, Apply



"Sci_Zone sees the NewSpace Ignitor Program as an excellent opportunity to gain critical training that will help commercialize our technology in the government and private sector and grow our company. We see it as a valuable program run in parallel to our research and commercialization efforts!"

- **Andrew Santangelo, Founder and CTO**
Sci_Zone Inc

**THE
SPACEPORT
COMPANY**

"Ignitor provided world-class networking leading to The Spaceport Company finding both a great supplier and a future customer."

- **Tom Marotta, Founder & CEO**
The Spaceport Company

ALUMNI TESTIMONIALS

NewSpace Ignitor is an environment where start-ups can grow. It supported the placement of the adapter at the Launchpad, and we are working together to increase traction. The ignitor's staff is accessible, earnest, and well-connected with relevant stakeholders.”

- **Tal Azoulay, VP of Business Development**
Space Products and Innovation Inc



“This program provided us with key tools and contacts to accelerate our growth.”

- **Chandra Mouli, Founder and CEO**
Spectronn Inc.



“Tybram’s experience in the NewSpace Nexus AA Ignitor Program has been phenomenal. The networking and connections have generated more interest in our prototype and more opportunities to discuss A.I. DAT’s capabilities with leaders from various organizations.”

- **Dr. Marriel Harrison, Founder & CEO**
Tybram



WELCOME 2025 IGNITORS!



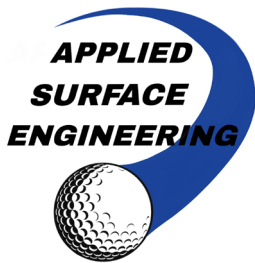
ADAPTIVE LAUNCH SOLUTIONS
Space Gravity Surfer



AMROK
Critical Infrastructure for the
cooperative space economy



APERI CMC
Next-Level Nonlinear Simulation:
Automated Meshing, GPU-Efficient
Computing, Zero Element Inversion



APPLIED SURFACE ENGINEERING
Changing the world one dimple at a
time



DARKHORSE SPACE AND GROUND SYSTEMS
Phased arrays and
advanced antenna systems
For space and ground applications

EM SEKTET

Breaking Conservation of Momentum and Liberating Humanity from the Tyranny of the Rocket Equation



GALILEO SPACE

Real-time, sub-30 cm Earth imagery at a fraction of today's costs



ONWARDAIR

Dual-Use Hybrid-Electrive VTOL Technologies for Defense & Commercial Logistics: Bridging Critical Defense Resupply Gaps while Addressing Broad Commercial Needs



RAVEE OPTICS

Satellite Optical Communications, No Limits



RHEA SPACE ACTIVITY

RSA applies advanced and disruptive tech to create a secure lunar & deep space environment for the U.S. and allied nations.





SIERRA LOBO

We will be known forever by the tracks we leave



Solstar Space Co.

SOLSTAR SPACE

Blazing New Pathways In Space Communications



SUMERIA SPACE

The “Uber” Platform for Space-Based Data



THINK ORBITAL

ThinkX: The Missing Piece of Space Domain Awareness

NEWSPACE LAUNCHPAD

The **NewSpace Launchpad** is an 8000 sq foot space that is a great venue for **working, having meetings, conducting technology demonstrations, and hosting events**. It is the only open test and prototyping facility in Albuquerque with a LACO thermal vacuum bakeout oven capable of reaching temperatures from -40°C to 150°C , Bambu Lab X-1 Carbon 3D Printer and access to 70+ other equipment connections.

Events: 174 with 4435 attendees
178 Co-In's (co-innovators)
Visitors: 1455
Tech Projects: 27



LAUNCHPAD USERS SPOTLIGHT



Solstar® Space Co.

Solstar Space has been a user of the NewSpace Nexus Launchpad since 2024 and in that short-time they have leveraged our equipment capabilities and connections with Co-Innovators to rapidly advance their DEKE in-space Wifi Technology. Through working with Dash2Labs, a Launchpad user and Ignitor member, and capability testing in our Thermal Vacuum Chamber, Solstar Space validated their hardware and will be launching with Momentus next year.



Canopy Aerospace has conducted two fundamental functionality tests of different systems using the advanced equipment capabilities available to them at the

NewSpace Launchpad. Their team made trips from Colorado to access our equipment in which they could validate and test two different systems. Will Dickson, CCO, stated "We've been huge fans of NewSpace Nexus and it's been a critical resource to us as we've grown our work with AFRL to a substantial pace; they love when we host our project updates in your space and I know Sean is working to organize some testing that helps support our work with them."

OUR TEAM IS YOUR TEAM:

LAUNCHING IGNITOR COMPANIES FROM
CONCEPT TO PRODUCT TO SALES



Our extended team includes the
Ignitor Expert Network
A collection of experts from academia, industry, and
government

OUR TEAM HAS EXTENSIVE EXPERIENCE ACROSS COMMERCIAL, CIVIL, AND MILITARY SPACE, AS WELL AS PRODUCT MARKETING AND SALES ACCELERATION

Casey Anglada DeRaad, NewSpace Nexus CEO. Before founding NewSpace Nexus in 2019, Casey was a 30-year Air Force Research Laboratory executive leading programs in space technology, strategic business development, investment leveraging, technology engagement, and workforce development for the Air Force, NASA, and private industry.

Arial DeHerrera, VP of Programs. Arial has been leading the “Unite” side of NewSpace Nexus for over five years and now leads all Nexus programs supporting our space companies, including our flagship NewSpace Ignitor program, the NewSpace Launchpad, and space industrial leadership programs and events.

Dan Crouch, Senior Advisor As a retired Senior Materiel Leader for the Space Force with over 37 years of experience, Dan’s wealth of knowledge and expertise in the space environment provides a valued resource for the NewSpace Ecosystem, the NewSpace Expert Network, the Ignitor program, operations, and the design, buildout, and operations of the new NewSpace Innovation Hub.

Scott Sadler, Senior Advisor: Makes important connections with key leaders in the national security space community and Capitol Hill influencers who shape national and global security policy; develop relationships, and positions NewSpace Nexus as a “go-to” source for the commercial space industry.

Kathy Steen, Innovation Program Manager: Pathways to the Stars. Kathy leads workforce development for New Mexico’s high-tech sector, driving industry-driven solutions to address the skilled labor shortage with a background in business ownership, startup incubation, and AFRL workforce initiatives.

Jaime Holmes, Innovation Program Manager: Launchpad. Originally a COSMIAC intern, Jaime returned after graduating to run Launchpad operations and now assists with day-to-day Ignitor operations, providing engineering support from a Mechanical background.

Jordan DeRaad, Senior Marketing Strategist Jordan has expertise in website and graphic design, social media management, video editing, and event photography/videography, ensuring a cohesive online presence for brand awareness.

60+ Experts across technical, finance, and business fields have signed on to support this program, including: former AFRL Commander, former AFRL Executive Director, former AFRL/RV Chief Scientist, Space Fund Managing Partner, business leaders, finance experts. [Become an Expert Today!](#)

OUR TEAM HAS EXTENSIVE EXPERIENCE ACROSS COMMERCIAL, CIVIL, AND MILITARY SPACE, AS WELL AS PRODUCT MARKETING AND SALES ACCELERATION

Eric Sandlin, Executive Office and Financial Manager. Eric plays a crucial role in overseeing the daily operations of the executive offices and organizational financial health by managing executive scheduling, travel, and material preparations

Andrew Germain, Facilities Manager. A long-time intern turned employee, Andrew now runs the day-to-day operations of the Launchpad, event coordination and execution, and facilitates the Launchpad's IT infrastructure.

Edgar Zapata, Data Operations Analyst With a newly earned B.S. in Computer Science, Edgar drives improvements in data collection and handling, uses analytics to support decision-making and program evaluation, and increases workflow efficiency organization-wide.

Gigi Brust, Programs Intern. Gigi is an ASU student intern studying astronomy and planetary sciences; she assists with all the programs such as Ignitor outreach, event coordination, and Launchpad engineering support with experience in CAD and modeling software.

Consultants:

Erika Hecht, Chief Strategy & Growth Advisor, CEO of Market Ascent: provides strategy, business, marketing and sales acceleration expertise with an extensive background working with start-ups to Fortune 100 companies, including IBM.

Carol Welsch: Chief Navigator Support to NewSpace Nexus space companies

Support NewSpace Nexus, **the only co-innovation hub uniting & igniting** startups, industry, and government to grow the space industry from New Mexico for the nation! Backed by Virgin Galactic, U.S. Space Force, Air Force Research Laboratory, and the State of New Mexico, your sponsorship delivers prominent visibility across the national space ecosystem, direct influence on America's growing space economy, and exclusive access to events and thought-leadership opportunities. Power the future of space.

Become a Sponsor Today: newspacenexus.org/become-a-sponsor

ABOUT NEWSPACE NEXUS: EXPLORE OUR PROGRAMS

NewSpace Nexus is accelerating the pace of space innovation by providing our members with direct and faster access to the right connections, resources, customers, and collaborations needed to succeed in less time

ANNUAL STATE OF THE SPACE INDUSTRIAL BASE — 85% INDUSTRY PARTICIPATION; NATIONAL LEADERSHIP

Contribute to implementing critical solution to support the space industrial base and move our industry forward. Key participants include Department of Defense Innovation, US Space Force and Air Force Research Laboratory. The culminating report is distributed to the National Space Council and The White House. See Industry reports and conference presentations at newspacenexus.org.

NEWSPACE SADLER REPORT — INFORMING 6000+ LEADERS IN INDUSTRY, GOVERNMENT AND ACADEMIA

The NewSpace Sadler Report is the go-to resource and one-stop shop for daily national security space news. It informs space industry, U.S. Space Force Enterprise, hundreds of uniformed leaders, senior officials in the White House, Intelligence Community, and Commands around the world. NewSpace Nexus provides timely updates on current Congress, Space Force happenings and events.

NEWSPACE IGNITOR — 60 COMPANIES SERVED WITH \$116+ MIL IN FUNDING SECURED TO DATE

NewSpace Ignitor is a purpose-built, first-of-its-kind, incubator-like program designed to reduce barriers space companies face in moving their concepts beyond R&D. Space companies can apply to join NewSpace Ignitor and move from concept to product to sales faster with services that focus on accelerating product development, funding and customer contracts. Apply Year Round.

NEWSPACE ALLIANCE — 270 MEMBER ORGANIZATIONS; 140 SPACE COMPANIES

Join hundreds of organizations in the national NewSpace Alliance! Build your knowledge and strengthen your network by participating in ongoing opportunities to engage with space professionals across the industry, government, and academia. Alliance members can attend monthly tech talks, industry webinars, networking events, industry forums and our national conference.

CO-INNOVATION WORKSPACES — 70+ PIECES OF EQUIPMENT, 35+ COMPANIES

Space Companies can work at Launchpad, an 8,700 square foot facility that is the only work environment in Albuquerque that provides access to shared work, collaboration and prototyping spaces, testing integration, and manufacturing equipment.

PATHWAYS TO THE STARS — 200+ WORKFORCE CONNECTIONS

Pathways to the Stars will grow the space industry talent pipeline with programming, mentoring, experiential learning, and career connection services spanning K-12 to early career, with industry involvement and special attention given to reaching minority populations.

- **60** Ignitor Companies Served
- **50+** Community Partners
- **80+** Co-Innovation Hub Equipment Resources
- **200+** Workforce Connections
- **330+** Alliance Members
- **10** National State of the Space Industrial Base Conferences
- **9** Space Industrial Base Council Organizations
- **500+** Space Companies served
- **5000+** Networking Connections

