

# NEW SPACE

## NEXUS

20

23



# Agenda

- **Welcome**
  - **Who we are**
  - **Ignitor Support Team**
  - **Info portal**
- **NewSpace Nexus Overview**
  - **What we do**
- **NewSpace Ignitor Program Overview**
  - **Program Goals & Overview**
  - **Levels**
  - **Events**
- **New Concept Pitches** (New Ignitor Companies)
- **Brief Introductions** (Current Ignitor Companies)



## Our Team Is on your team

Our core team has extensive experience across commercial, civil and military space and product marketing and sales acceleration



- **Casey Anglada DeRaad:** Founder & CEO, MS EE



- **Scott Maethner:** VP Ops & Integration, Col USAF Ret., MS Space Ops, MMOAS, MAAS



- **Ariel DeHerrera:** Director of Engagement, MBA



- **Andrew Mackenzie:** Co-Innovation PM & Facility Manager, BS ME



- **Carter Breckenridge:** Innovation PM, BS ME



- **Kaitlyn Clark:** Financial & Contract Specialist, MBA



- **Brandon Winter:** Information Security Intern, BA MIS






- **Carol Welsch -** Support contractor, Col USAF Ret., MS, MSS, Bus Dev at CRC Consulting



- **Erika Hecht -** Support contractor, BS Marketing, CEO Market Ascent

- **Partner Companies:** Trellis Systems, Space Advisory Group, Octane OC, MathWorks, ...

# Your Ignitor Support Team

NewSpace Nexus <a href="https://newspacenexus.org/">https://newspacenexus.org/</a>	Ignitor Partners	Ignitor Expert Network
<b>Scott Maethner (Ignite Lead)</b> <a href="mailto:scott@newspacenexus.org">scott@newspacenexus.org</a> (719) 352-1866	<b>Boston Analytics</b> - Inder Thukral, Corey Cooper - <a href="http://bostonanalytics.com/">bostonanalytics.com/</a> 	<b>48+ Experts (and growing everyday) across technical, finance, and business fields have signed on to support this program, including:</b> <ul style="list-style-type: none"> <li>- Former AFRL Commander</li> <li>- Former AFRL Executive Director</li> <li>- Former AFRL/RV Chief Scientist</li> <li>- Managing partner, Space Fund</li> <li>- Business leaders</li> <li>- Finance experts</li> </ul> <div>           Expert Network Serves Ignitor Companies:           <ol style="list-style-type: none"> <li>1. Evaluations</li> <li>2. Presentations</li> <li>3. One-on-One Meetings</li> </ol> </div>
<b>Carter Breckenridge (Ignitor POC)</b> <a href="mailto:carter@newspacenexus.org">carter@newspacenexus.org</a> (314) 933-0741	<b>Space Advisory Group</b> - Severin Blenkush, Andrew Bossert - <a href="http://spaceadvisorygroup.io/">spaceadvisorygroup.io/</a>	
<b>Arial DeHererra</b> <a href="mailto:arial@newspacenexus.org">arial@newspacenexus.org</a> (505) 382-7598	<b>Octane OC</b> - Dave Beck - <a href="http://octaneoc.org/">octaneoc.org/</a> 	
<b>Andrew MacKenzie</b> <a href="mailto:andrew@newspacenexus.org">andrew@newspacenexus.org</a> (505) 459-0747	<b>Mathworks</b> (software) - Sri Ramasubban - <a href="http://mathworks.com">mathworks.com</a> 	
<b>Carol Welsch</b> <a href="mailto:creativeresearchconsulting@gmail.com">creativeresearchconsulting@gmail.com</a>		
<b>Erika Hecht</b> <a href="mailto:erikahecht@marketascent.com">erikahecht@marketascent.com</a>		

**Casey Anglada DeRaad, NewSpace Nexus Lead and your support**

[casey@newspacenexus.org](mailto:casey@newspacenexus.org), (505) 235-5141



# IGNITOR LEVEL-UP! EVENTS

MORE INFORMATION, SCHEDULE, AND REGISTRATION



WEDNESDAYS FROM 1PM MT TO 3PM MT

HYBRID: ONLINE AND LIVE AT THE NEWSPACE  
LAUNCHPAD

<https://www.newspacenm.org/newspace-ignitor-events/>



# Unite & Ignite space

*Growing space industry  
from New Mexico  
for the Nation*



New Space  
Alliance

Space  
Industrial  
Base

Space  
futures

Pathways  
To the Stars

equipment  
connector

New Space  
Ignitor

New Space  
Launchpad

**T5**



## NewSpace Nexus is the universal voice for the space industry in New Mexico and growing nationwide

- **NewSpace Ignitor:** Incubator like program helping space companies level-up their capabilities and advance from Concept to Product to Sales
- **NewSpace Launchpad:** 8,700sq foot co-innovation center open for use by space companies
- **Equipment Connector:** Like Airbnb for space test equipment -- connecting space companies to large organizations that have unused or available facilities & equipment
- **NewSpace Alliance:** 230 member organizations including 125+ Space Companies, 60 individual members
- **Space Industrial Base Leadership:** Reaching new space companies and investors nationwide... 85+ Space Companies, 6 Private Investment Funds, 33 Government organizations represented at the 2023 State of the Space Industrial conference & workshops
- **Space Futures:** Strategic forecasting for USSF Director of Science, Technology & Research
- **Pathways:** Growing the space workforce inclusively with programing, mentoring, experiential learning, and career connection services
- **T5's:** 50+ monthly networking with over 175 organizations from industry, government and academia represented

We listen to the space industry and develop solutions that accelerate the pace of space innovation

# Program Goals



- Overcome barriers and gaps faced by small and early growth space companies
- Fast-track concept development
- Elevate concept readiness levels
- Showcase products to investors and buyers
- Deliberately positioned down stream – targeting small and early growth companies with mature concepts
- Help more companies while motivating them in a positive way to process through different levels and graduate the program
- We partnered with AFRL for this program

Concept → Product → Sales

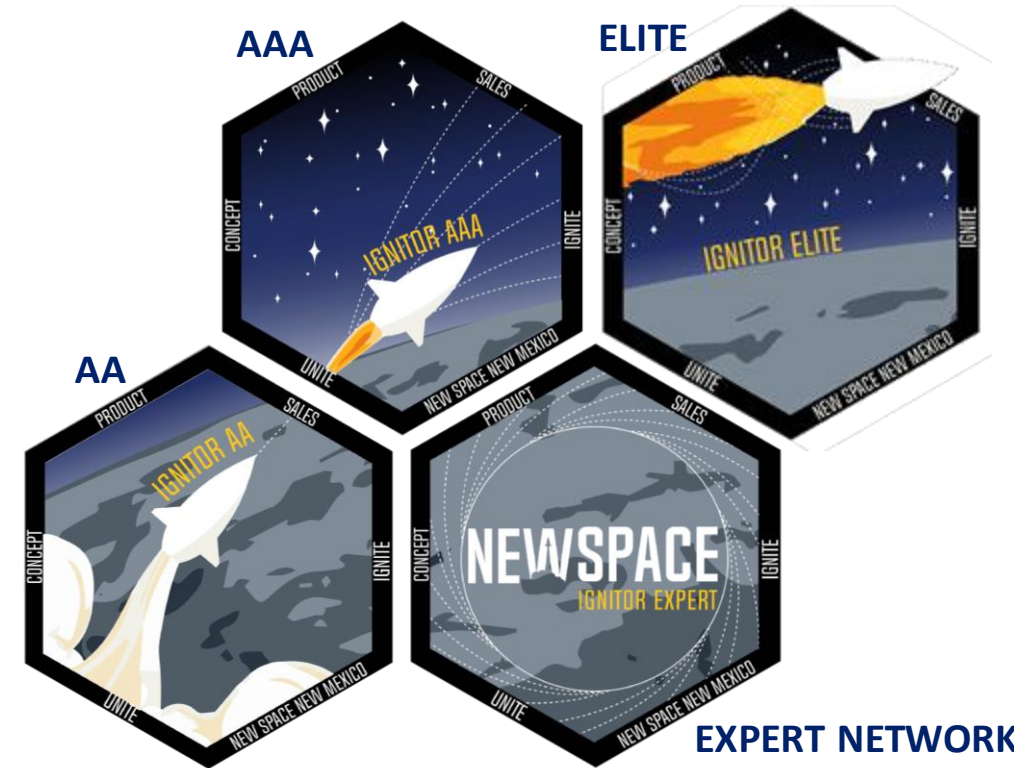




## What makes the ignitor unique

- **Applications are always open**
- **Year-Long, Tailored Programming** – Companies will be at their level for 12 months. If they level up, they can be in the new level for 12 months. Otherwise, companies graduate at their respective level
- **Access to NewSpace Launchpad** – 8700 sq foot co-innovation facility with space test & prototyping equipment and free software licenses
- **Access to NewSpace Equipment Connector**
- **Co-Innovate with other Ignitor Companies**
- **Core Team:** Our team has extensive experience across commercial, civil and military space and product marketing and sales acceleration. We co-innovate with hundreds of space industry leaders each year to address the complexities that prevent faster growth of individual space companies and the broader industry through our Space Industrial Conference.
- **Ignitor Expert Network** - 48+ recognized leaders across industry, government and academia have offered their time and expertise to help Ignitor companies move from concept to product to sales faster. This includes investors, former AFRL senior leaders, space tech experts, local entrepreneurs
- **ShowSpace** – AAA and Elite Companies have multiple opportunities to pitch directly to potential customers (investors, primes, and government orgs)
- **Space Tech Database** – Database of 3,224 space companies to help you map your market and competition
- **Haystax** – Powerful analytics tool to predict likelihood of getting funded

## Working together ...



## ...for Faster results

# How it Works



- Applications evaluated by expert evaluators based on 5 evaluation categories and criteria
- Concepts placed into 2 teams (Ignitor AA and Ignitor AAA) based on evaluation scores
- Companies ranked highest by outside judges on their pitch advance to Ignitor Elite
- Each team has access to different programming services and can level-up

 <b>Ignitor AA Team</b>	 <b>Ignitor AAA Team</b>	 <b>Ignitor Elite Team</b>
<ul style="list-style-type: none"> <li>• NewSpace Alliance or Global Network</li> <li>• Recognition on NewSpace New Mexico website and social media accounts</li> <li>• Access to NewSpace Launchpad co-innovation prototyping center and equipment</li> <li>• Feedback from expert evaluators with recommended next steps</li> <li>• Current market segment insights</li> <li>• Access to year-long programming including government and investment customers sessions</li> <li>• Opportunity to advance to Ignitor AAA Team</li> <li>• Free Mathworks Software</li> <li>• Graduation Certificate</li> </ul>	<b>AA programing plus ...</b> <ul style="list-style-type: none"> <li>• Pitch support</li> <li>• One-on-one sessions</li> <li>• Market Entry and Growth Analytics</li> <li>• Access to the NewSpace Ignitor Expert Network</li> <li>• Pitch to investors and expert evaluators</li> <li>• Baseline capital-raising predictive analytics</li> <li>• Opportunity to compete for Ignitor Elite Team</li> <li>• Free Mathworks Software</li> <li>• Graduation Certificate</li> </ul>	<b>AAA programming plus ...</b> <ul style="list-style-type: none"> <li>• Custom navigation plan with access to additional tailored services</li> <li>• Enhanced access to the NewSpace Ignitor Expert Network</li> <li>• Pitch to investors and expert evaluators</li> <li>• Comprehensive analytics to predict likelihood of success compared to similar companies</li> <li>• ShowSpace events to put your concept in front of potential buyers</li> <li>• Free Mathworks Software</li> <li>• Graduation Certificate</li> </ul>

**25 Concepts from 23 Companies**



# Ignitor Elite Companies



Goodman Technologies, LLC





# Ignitor AAA Companies



MAGMA SPACE



**NEW FRONTIER**  
AEROSPACE



**BLUE SPACE**  
WEATHERPROOFING SPACE

Modal Technology Corporation

**EVOLUTION**  
space



**SARANIASAT**  
ADVANCED REMOTE SENSING





# Ignitor AA Companies



# Major Events



- **Level-UP! Events:** Approximately twice per month on **Wednesdays, 1-3pm (Mountain Time)** we host **Ignitor Level-Up! Events**. Most of these events are exclusive to Ignitor companies. Please mark these times on your calendar. These events provide programming to help you advance your concepts with topics such as "How to do business with the government," "What Investors are looking for," "Corporate structure and IP management", etc. These events are hybrid, so you can come in person to our [NewSpace Launchpad facility](#) or attend virtually. Feel free to have anyone from your company attend, but please refrain from sharing outside of your company.
- **Pitch Days:** We will have multiple opportunities for pitch days during the year. More information will be distributed as these get scheduled.
- **Customer Care Calls:** Quarterly meetings with each company to talk about progress, achievements, and feedback, as well as make plans for success.
- **State of the Space Industrial Base:** State of the Space Industrial Base Conference & Workshop held annually. 2023 event was 15-18 May in Albuquerque.
- **T5:** Third Thirsty Thursday Tech Talks (T5). Every 3<sup>rd</sup> Thursday of the month we host a hybrid networking event called the T5. It usually has a. but it is highly attended and a fantastic networking opportunity. Please swing by sometime! Check the [events](#) calendar on our website for more information (The July calendar is not yet posted).

# Commitment & Pay it Forward Pledge



- Participate
- Give feedback and improvement suggestions
- Communicate your successes: Wins, business development efforts, how we helped
- Positive ambassadors for New Space Nexus
- Consider supporting the benefits we offer to our community by making a pledge to “pay it forward” so that we can consistently deliver pro bono services, from which you benefited, to future entrepreneurs
- Keep us up to date on your successes after you leave the program

**NEW SPACE  
IGNITOR**

**Commitment & Pay it Forward Pledge**

To achieve our vision of helping space innovators make the world (and beyond) a better place, we ask NewSpace Ignitor companies to consider signing our Commitment & Pay it Forward Pledge.

Leading financial institutions expect the global space sector will triple in the next decade and become a multi-trillion dollar market over the next 20 years. Yet, substantial barriers exist for promising space companies to succeed in bringing their innovations to market. NewSpace New Mexico launched NewSpace Ignitor to reduce these barriers by supporting space companies beyond the start-up phase from concept to product to sales. You will continue to experience first-hand the power of NewSpace New Mexico's programming, resources, connections and relationships and the value we provide to space innovators. NewSpace New Mexico is committed to support future entrepreneurs with the same resources made available to you through our tiered NewSpace Ignitor program structure.

**Your Commitment**  
In return for the services provided and to enable greater success for you through NewSpace Ignitor, we ask that you participate in much as possible, give us feedback so we can improve the program, let us know about the future successes you have that might be tied to our services or introductions and be possible ambassadors for NewSpace New Mexico. Your commitment will help us so we can better assist you and others like you. Your feedback will also significantly help us in our efforts to secure additional sources of funding to help more companies after our initial period of congressional funding ends.

**Paying it Forward**  
If you complete a capital raise or benefit from NewSpace New Mexico's programming or ecosystem, we invite you to support the benefits we offer to our community by making a pledge. This essentially pays it forward so that we can consistently deliver pro bono services, from which you benefited, to future entrepreneurs.

**Make the Pledge?**  
Supporting the next generation of innovators, your generosity will help NewSpace New Mexico's ability to help more companies, strengthen the ecosystem, and make the world (and beyond) a better place. Your donation will also help fund important new programs such as NewSpace Ignitor, which will build a stronger, more equitable, space-ready workforce. If, since NewSpace New Mexico is a non-profit, your support will enable them to more companies like yours gain access to the services and resources need.

**It Works**  
Simply need to sign this document to confirm your intent to 1) continue to support the program, 2) donate or give back to NewSpace New Mexico a successful capital raise and 3) keep us up to date on your successes. The donation can be in any or equity based or involve volunteering your time. It is not legally binding.

**Why Agree to Commit & Pay it Forward?**

Signature \_\_\_\_\_

## Our team is on your team

This is our first time through with this program and we will seek and value your feedback!





Co-Innovation Centers

... Creating a Hub for NewSpace Co-Innovation

### WORKSPACES

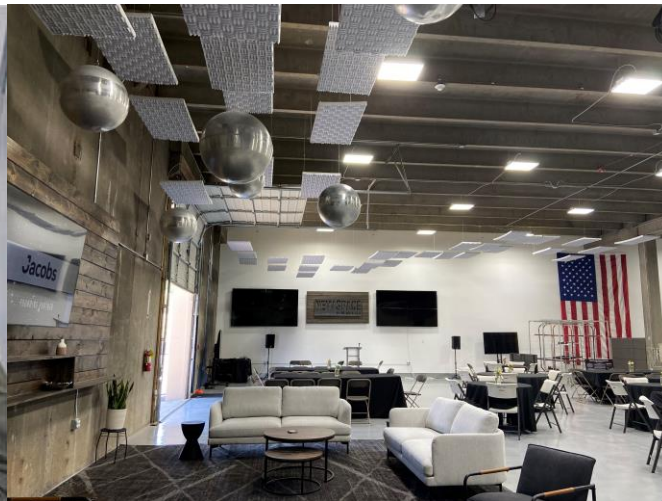
- Dedicated offices & Huddle rooms
- Hot Desks
- Test equipment (Cleanroom, TVAC)
- Lab space - Prototyping

### MEETING SPACES

- Events
- Open meeting areas
- Lounge areas
- Conference rooms

### Multi-Security (Future Capability)

- Collaboration workspaces
- Conference Rooms (up to 250)
- Office/Lab options





# CONCEPT PITCHES



**SARANIASAT**  
ADVANCED REMOTE SENSING

 **Geedop**<sup>®</sup> | Geo

 **HESHIR**  
INDUSTRIES



**MAGMA SPACE**

 **SPACE KINETIC**



# Questions and Discussion

This is our first time through with this program and we will seek and value your feedback!

# NEW SPACE NEXUS

CONNECT WITH US:



Casey Anglada DeRaad  
CEO & Founder  
Casey@NewSpaceNexus.org

[NewSpaceNM.org](https://NewSpaceNM.org)



## NewSpace NM Founding Partners



Space  
RCO



ARCTOS | All In.

agenda.



ONE  
ALBUQUE  
RQUE



ULTRAMAIN



VERUS  
RESEARCH



NGI  
NORTHROP GRUMMAN

NM SCHOOL OF  
ENGINEERING

Jacobs



# Backup Charts





# New Space Ignitor

New Space  
Ignitor

## WHAT IT IS

- Incubator-like program to help small and early growth space companies advance their concepts to products & sales
- Focused on advancing readiness levels (Tech, Business, Investment, Manufacturing, Integration)
- Concept applications evaluated by expert evaluators based on 5 evaluation categories and criteria
- Concepts placed into 2 teams (Ignitor AA & Ignitor AAA) based on evaluation scores
- Teams get tailored services
- Opps to advance to next level team

## WHY IT MATTERS

- Companies save time and money by accelerating knowledge, getting access to resources & expertise, and showcasing their products
- Government and Investors get access to vetted companies and their space-related concepts
- Accelerate product development



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# New Space Launchpad

New Space  
Launchpad

## WHAT IT IS

- 8700 sq ft Co-Innovation Facility, ABQ NM
- Designed for Space Companies - used for Testing, Prototyping, demonstrations, meetings, storage, shipping & receiving
- Events for building networking & partnerships
- Equipment: ISO-6, Class 1000 Cleanroom, LACO TVAC, Helmholtz Cage, 3D Printer, Mod/Sim Workstation, Soldering stations
- Modular and reconfigurable based on user requirements

## WHY IT MATTERS

- Mitigate high costs of capital equipment and facilities usage for small & early growth space companies
- Provides needed resources for companies relocating to New Mexico
- Collaborative Innovation accelerates learning, collaboration, shares costs, reduces risks



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NEXUS

# Equipment connector

equipment  
connector

## WHAT IT IS

- It's like Airbnb for space test facilities/equipment
- Leveraging existing infrastructure in a novel way
- Rapidly connects space companies to the space test resources they need across government, industry, academia

## WHY IT MATTERS

- Small space companies in NM need access to high-cost facilities & equipment
- Space Facilities & Equipment is a large cost for small companies
- Existing alternatives involve shipping delicate components (cost & risk)
- Large space companies and space organizations often have excess capacity for their facilities & equipment

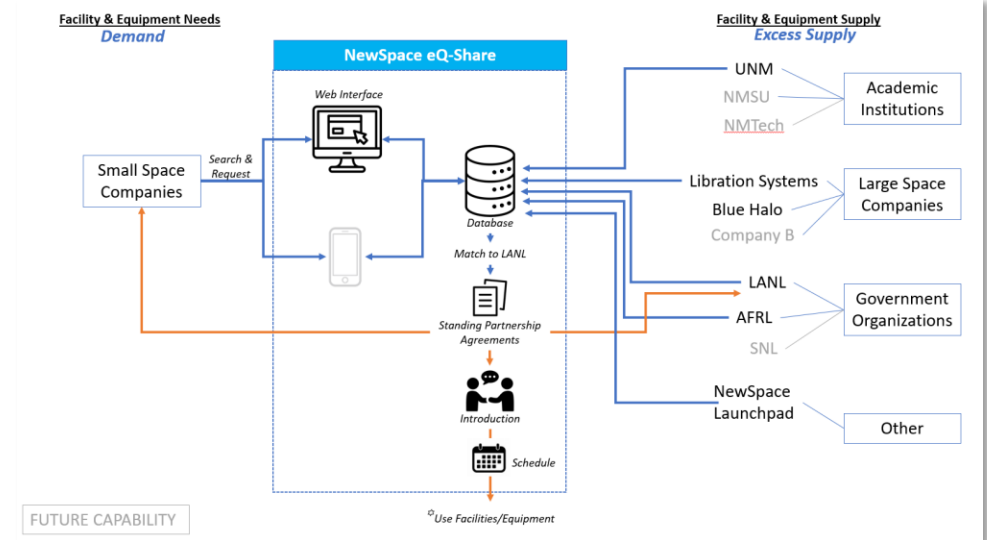
NewSpace Connector					Sep 09, 2022
<b>PROBLEM</b> Small space companies in NM need access to high cost facilities & test equipment Space Facilities & Equipment is a large cost for small companies Few easy or inexpensive local resources NewSpace Launchpad will not have all necessary resources Existing alternative involve shipping (cost + risk) Large space companies and space organizations often have excess capacity for their facilities & equipment.	<b>SOLUTION</b> NewSpace Connector service to rapidly connect small space companies to the testing resources they need + Create inventory of local resources (database) + Partnership agreements in place and POCs identified + Request mechanism (e.g., website)	<b>UNIQUE VALUE PROPOSITION</b> NewSpace Connector saving small space companies time and money by rapidly connecting them to the space-test resources they need	<b>UNFAIR ADVANTAGE</b> NewSpace New Mexico knowledge of and connections to space ecosystem Pay it Forward concepts of stakeholders helping stakeholders NewSpace New Mexico is a non-profit organization and is an objective party	<b>CUSTOMER SEGMENTS</b> Small space companies (startups and small businesses)	
	<b>KEY METRICS</b> # of companies seeking help Value of services provided Technologies transitioned # of equipment in inventory # of partnership agreements Secondary metric - Alliance membership increases, sponsorship increases # space companies establishing a presence in NM	<b>HIGH-LEVEL CONCEPT</b> NewSpace Connector is like Uber/Lyft for space facilities & equipment Leveraging existing infrastructure in a novel way	<b>CHANNELS</b> NewSpace Alliance members NewSpaceNM.org Website portal Additional marketing Word of mouth (if you build it, they will come)	<b>EARLY ADOPTERS</b> Buyers: Companies who have responded to our equipment needs surveys Suppliers: AFRL, LANL, UNM, LP Later, expand (scale) both suppliers and buyers within NM and in neighboring states	
<b>EXISTING ALTERNATIVES</b> Buy their own equipment NTS - nts.com - locations in CA, CO, TX Companies make their own connections Lots of space test equipment resides at different organizations/companies, e.g., LANL, SNL, AFRL, Universities, LP					
<b>COST STRUCTURE</b> NewSpace New Mexico labor to create inventory and partnership agreements and website updates Possibly database purchase/subscription Time investment for supplier partners (e.g., LANL, SNL, AFRL) - what do they get in return? Labor and expertise for supplier orgs (scheduling, training, oversight)		<b>REVENUE STREAMS</b> N/A for now (non-profit) covered under PIA Later ... charge fee for NewSpace Connector service Later ... charge LP fee for use of equipment (e.g., nitrogen, cleaning alcohol) Benefit for suppliers: Fee for companies, outreach for gov't orgs.			



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LEAN CANVAS



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# Space Industrial Conference & Workshops

Space  
Industrial  
Base

## WHAT IT IS

- National Conference that focuses on gathering industry inputs to Space Industrial Base issues with key participation from USSF, DIU, AFRL
- Each conference results in a comprehensive report that documents issues, opportunities, key actions & recommendations
- NewSpace Nexus leads Space Industrial Council which amplifies progress

## WHY IT MATTERS

- Shaped the dialogue to strengthen space industrial base
- This effort has introduced important language into national space policies
- Provides strategic networking opportunities that lead to contracts
- Reports read by Congress, Administration officials & shape space policies

"Excellent sessions. Effective workshops. Exceptional attendees. Learned a lot. The NewSpace Nexus team does a great job and are really nice people."

"One of a kind event Nothing like it."



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NEXUS



# New space alliance

New Space  
Alliance

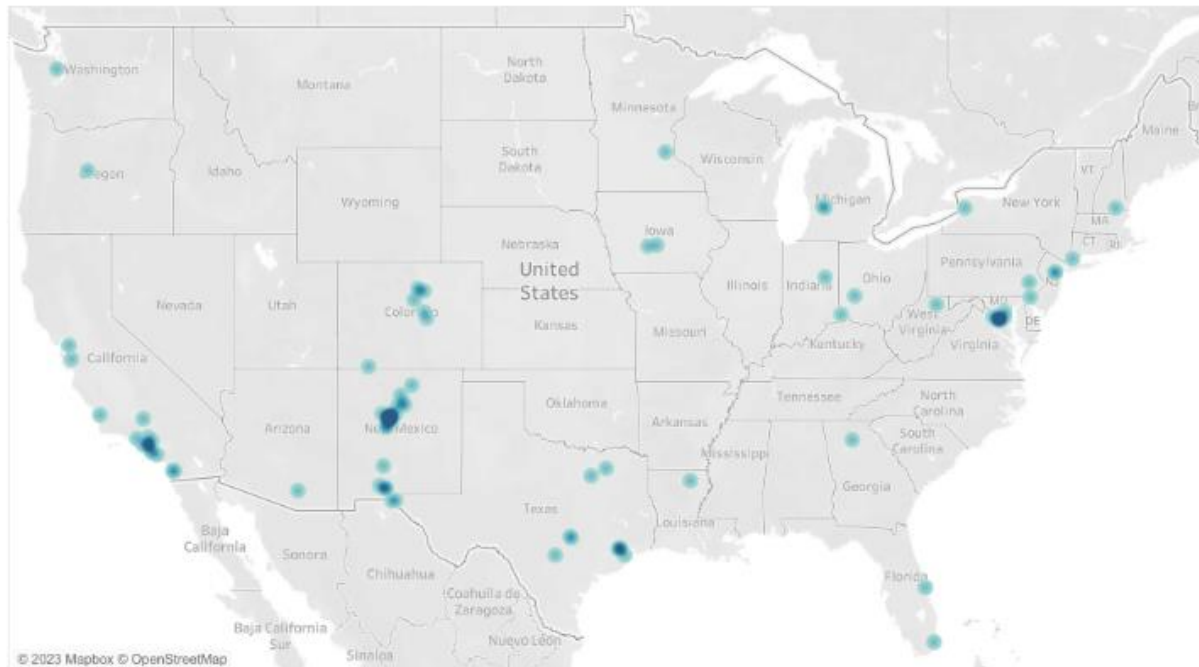
## WHAT IT IS

- Voluntary alliance of stakeholders across industry, government, academia
- Members share interests in New Space economic growth and capability development
- Corporate, Individual and Global membership options
- Free to join

## WHY IT MATTERS

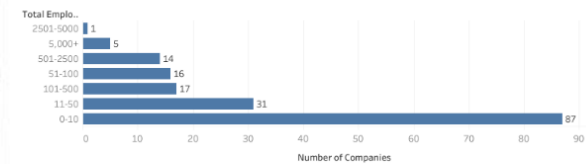
- The space community is fragmented, and stove piped across sectors
- Strong relationships lead to partnerships and collaborations
- Alliance members receive access to information, marketing support and discounts for events
- Gathering NewSpace ecosystem data

NewSpace Alliance Member Locations

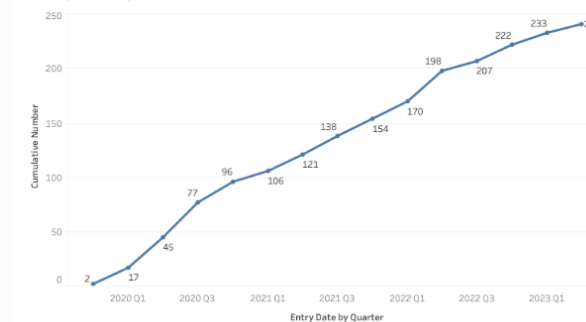


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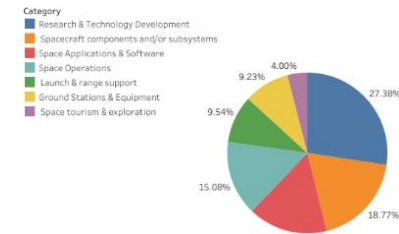
Size of Companies in Alliance



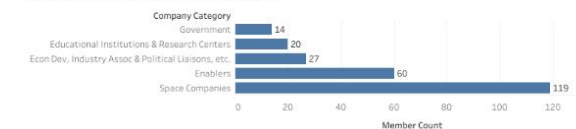
NewSpace Corporate Alliance Growth



Space Company & Organization Area of Work



Corporate Member Alliance Category



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# Pathways to the stars

Pathways  
To the Stars

## WHAT IT IS

- Workforce program with a complete pathway spanning elementary to early career, that includes a participant support system and engagement from industry at each stage
- Inspiration, skills development, mentorship
- Diversifies regional talent pool

## WHY IT MATTERS

- Connecting existing systems and offering underrepresented minority populations with greater access to education, job opportunities and higher standards of living
- Bolsters talent pipeline to fill key jobs



**NEW SPACE**  
NEXUS



# Space futures

Space  
futures

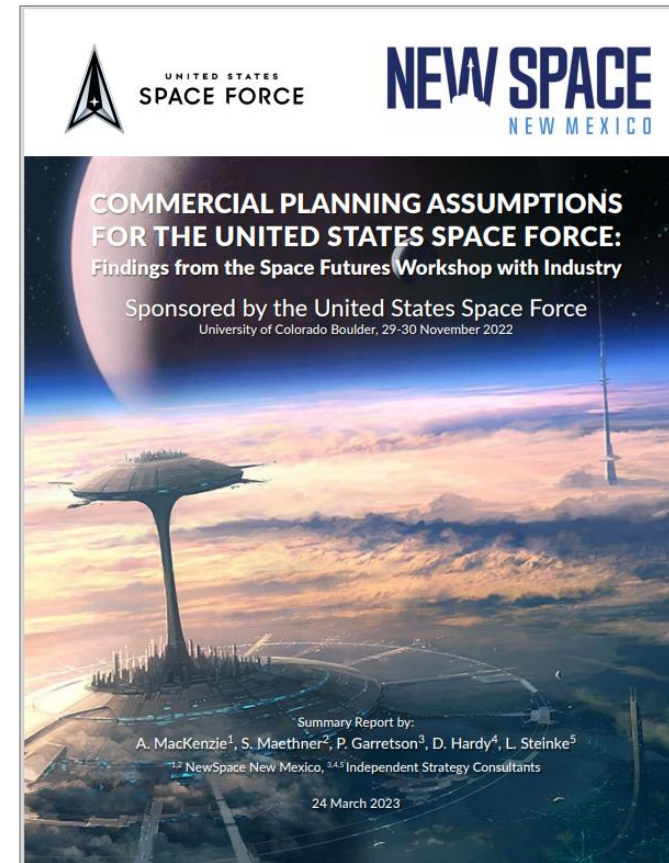
## WHAT IT IS

- USSF Science, Technology & Research Strategic Forecasting
- Workshops are engagements with various communities to develop future scenarios, gather inputs, and discuss implications for U.S. national power and security.
- NewSpace Nexus hosted the workshop with industry event, created surveys, analyzed survey results and led effort to document and published results in a report



## WHY IT MATTERS

- Strategic Forecasting informs USSF missions, capabilities, force structure, operations, and supporting science and technology



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# Third thirsty Thursday tech talks

T5

## WHAT IT IS

- Fun gatherings each month to hear the latest technical projects & activities from space stakeholders
- Learn, share and engage with space professionals across industry, government and academia - Meeting people and building relationships
- 50+ events over 4 years



## WHY IT MATTERS

- Networking and partnerships
- Sharing knowledge of key activities and opportunities to facilitate growth and tech advancement
- Community outreach to local establishments

**NEW  
SPACE**  
NEW MEXICO

**T5**

Happy New Year!!  
Join us on January  
19, 2023

4:30-6:00 pm (in-person)  
at the NewSpace

Launchpad,  
2420 Alamo Ave. SE, Albuquerque  
Virtual 5:00 – 6:00 pm: [Virtual Link](#)

[RSVP Here](#)

**NEW SPACE**  
NEXUS



# KNOWLEDGE, COMMUNICATION, MARKETING

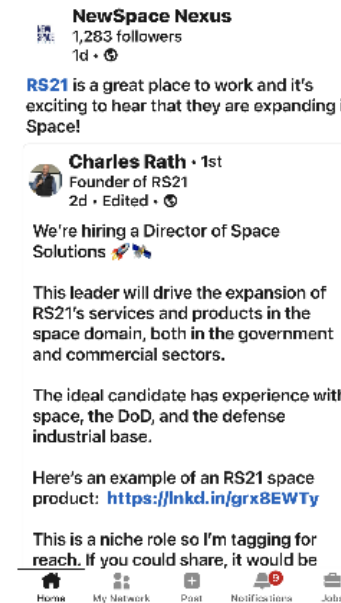
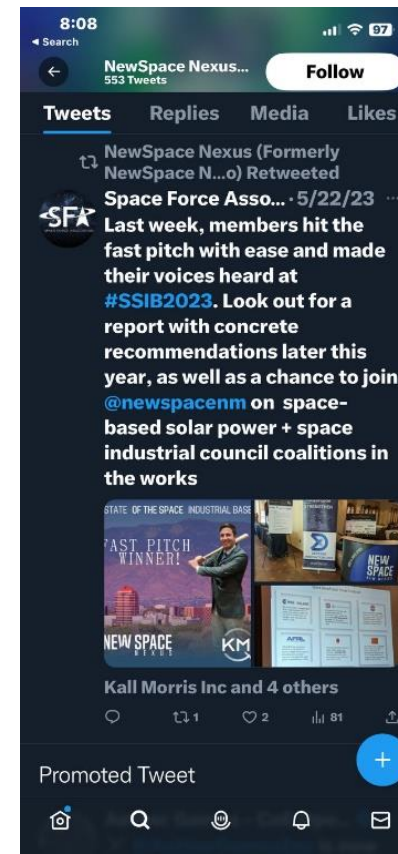
KNOWLEDGE  
COMMUNICATION  
MARKETING

## WHAT IT IS

- Knowledge-based space ecosystem communications and marketing to champion NM's space identity and provide clear and consistent communication about Unite & Ignite Space services, programming & goals
- Provide tools, platforms, resources, and opportunities for knowledge building and sharing across the new space ecosystem

## WHY IT MATTERS

- Build and expand business & technology support ecosystem for space companies
- Regional awareness, jobs, economic growth & development



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# Incubator

*A structured, collaborative program designed to help startups succeed*



## Primary Identifiers

Guidance to form a **product or service**  
Seed **funding** and angel investors  
Venture **capital**  
Presentation **skills** and business etiquette  
Training programs  
Networking opportunities

# Ignitor:

Best of Both

**NEW SPACE**  
**IGNITOR**

Tailored for space

# Accelerator

*A short-term program usually for startups that already have a MVP*



## Primary Identifiers

Focus on rapid **growth**  
Set time-frame from **weeks to months**  
Mentorship and guidance  
Business **profitability**  
Industry **connections**

# Ignitor companies mapped to space tech sub-industry areas

Space Exploration & Research	Space Travel & Exploration		Exploration Destination Systems		Space Technology Research	
Space Related Services	Space Data & Analytics	Space Cyber Security	In-Space Raw Material processing, recycling & mining	Space Housing / Human Life Support Structures	Space Servicing, Assembly & Manufacturing	
	Cognitive Communications	Government / Military Communication	Satellite-as-a-Service	Space Logistics Services	Space Hardware Monitoring & Operations	
	Satellite Communications	Space Training / Education		Ground Segment Design & Services	Regulatory Services for Space	
	Space Launch Services	Space Consulting Services		Integration & Engineering Services for Space (*4)	Space Program Management Services	
Space Applications	Space Imagery	Weather Forecasting from Space		Climate Research & Monitoring from Space		Precision Agriculture from Space
	Navigation & Mapping from Space	Disaster Management from Space		Space Earth Observation		Space Forensics & Analytics
	Surveying from Space		Planet Health Monitoring from Space		Space Debris Tracking & Removal	
Space Hardware	Manufacturing					
	Space Thermal Insulation / Protection		Space Robots / Autonomous Systems		Smart Materials for Space	
	Space Antennas		Space Structures		In-Space Manufacturing / Additive Manufacturing	
	Space Launcher Manufacturers (*5)		Space Life Support Systems		Space Electrical, Electronic & Electro-mechanical Parts	
	Satellites / Space Vehicle Manufacturers		Space Propulsion Systems Manufacturers (*6)		Space Modules & Components Manufacturers	
Ignitor Applicants						
	None	1	2	3 - 4	+5	