

G S A W 2 0 2 1





Unlocking the Non-Traditional Base

1 March 21

Dr. Lindsey Polley Starburst Defense Accounts

Col Jennifer Krolikowski Senior Materiel Leader, Space C2 (SMC/ECXC)







- BLUF
- Background
- Innovation Catalysts
- Starburst Approach to Assessing Future Technology Providers
- Recommendations for the Future



- Non-traditional Industry has much to offer in accelerating Space Force innovation, integration, and modernization
- Starburst brings the science of intelligent Non-traditional Industry into ECX
- ECX emerging as leader across DoD Space Enterprise for tapping non-traditional solutions/capabilities

ECX working in collaboration with Starburst is quickly bringing new technologies and capabilities into the Space Ground Enterprise



Industry leads the emergent tech race

- Throughout COVID, the non-traditional vendor market remained strong:
 - Developed products & services faster than legacy players
 - Record VC investments >



Starburst Demo Day Gives Into Startup Efforts in Spa

WSJ PRO

TG.

More Search

Login / Sign u



In Space Startups In : **New Report Says**

> Alex Knapp Forbes Staff I write about the future of science, technology, and cult



opportunities

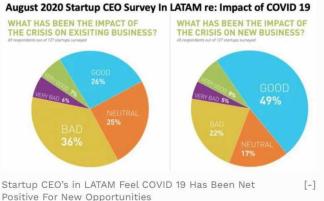
How Covid Has Impacted Startups' Ability To Raise VC Money And Thrive: 9 Global Experts Weigh In

Michelle Greenwald Contributor (i)

1,688 views | Oct 7, 2020, 08:00am EDT

CMO Network

Cross-pollinator, world explorer, author, consultant, professor



LATIN AMERICAN VENTURE CAPITAL ASSOCIATION

Study: As space industry offers more services, government missing out on



unications satellites private companies. dering of SES's O3b SES



Barriers to leveraging emergent tech

Too much "commercial noise"



Decisionmakers have an incomplete picture of the marketplace

3,145 views | Sep 19, 2019, 07:00am EDT

Inside Celebrity Tech Investor Trends



Lauren deLisa Coleman Former Contributor O Enterprise & Cloud



Actor Jared Leto speaks during the Wall Street Journal D.Luxe conference in Laguna Beach, ... [+] 🛛 🛛

NEWSLETTERS • TERM SHEET

Secretive Defense Tech Startup Anduril Reaches Unicorn Status: Term Sheet

Palmer Luckey's Anduril has raised new funding at a valuation of more than \$1 billion.

BY POLINA MARINOVA September 12, 2019 9:53 AM EDT



Palmer Luckey, co-founder of Oculus VR Inc. and creator of the Oculus Rift. BLOOMBERG — GETTY IMAGES



ECX is an USSF innovation catalyst

SPACENEWS

Air Force space modernization starts from the ground up

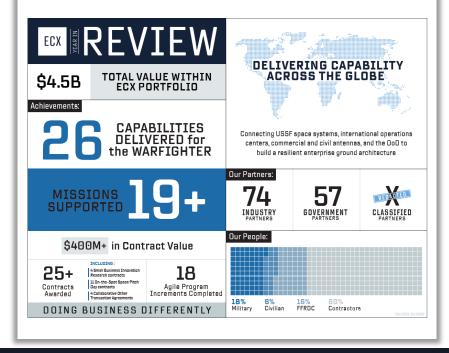
by Sandra Erwin - August 5, 2019



The 460th Communications Squadron and the 460th Civil Engineer Squadron work with Radome Services at Buckley Air Force Base, Colorado, to replace an existing antenna with a more technologically advanced antenna that can better communicate with newer satellites. Credit: U.S. Air Force

ECX SINCE INCEPTION

ECX has experienced a big year. Implementing agile principles, executing novel acquisition strategies, awarding critical contracts, and establishing collaborative partnerships have enabled ECX to deliver—new capabilities for the warfighter, direct support to missions across the DoD, and a more resilient worldwide ground architecture for the space enterprise.



In order to achieve "E.P.I.C. Speed," it is critical that ECX unlock the non-traditional base



ECX & Starburst are leading commercial innovation for defense



- Specialized Starburst team embedded with ECX teams
- Acts as a risk-reduction mechanism for ECX teams and leadership engaging commercial market
- Increasing speed by leveraging rapid funding vehicles



Validating the commercial "noise"

Targeted Market Intelligence

- The "unknown unknowns"
- What other non-traditionals are doing in the market?

Emergent Technologies

- Benchmarking capabilities
- What technology boundaries are being pushed?

Cutting-Edge Industry Practices

- Quantum, DevSecOps, etc.
- How are allies driving innovation?



Comprehensive research and SME-based market trend analyses are generated to map emergent capabilities offered by non-traditional industry players to ECX innovation & modernization efforts



Qualifying non-traditional players

Starburst assesses non-traditional against four key dimensions, mapped to a "desire to work with"

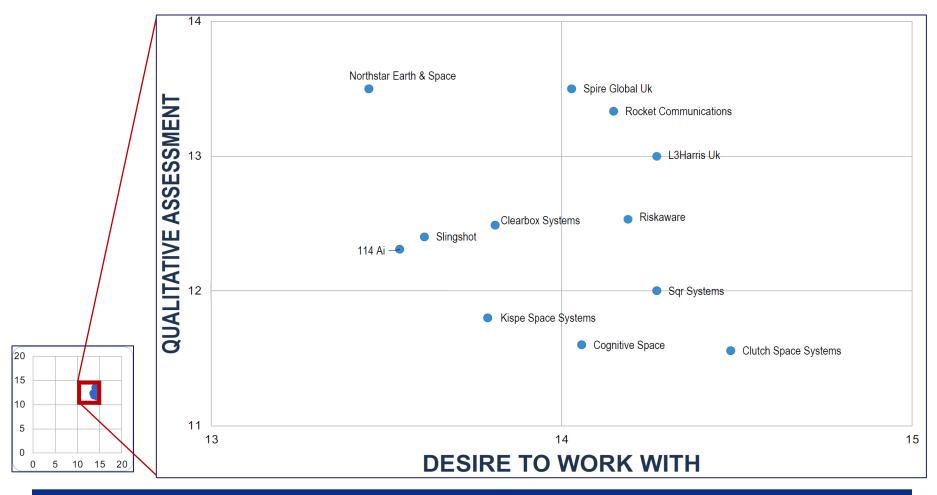


Commercial independence (i.e., not reliant on gov't contracts to succeed) is also an important factor

Starburst's method proven 93% accurate

 \bigstar

Starburst's methodology consistently predicts which non-traditional industry players receive contract awards with ~93% accuracy





Recommendations for the future

Continue to evolve and modernize!



Find a way to more accurately budget and proactively navigate the commercial noise



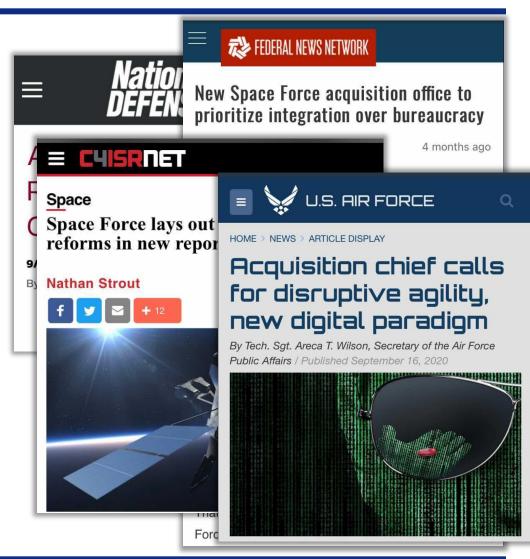
Next challenge: Preparedness and continuous integration

Pathway for non-traditional industry players to sustain long term integration and development. "Pitch day" type events were a great first-step. The next pieces are:

From "proof of concept" to operations:

- How to get new capabilities through operational acceptance?
- Who will develop and sustain capabilities for operations?
- Acquisition and sustainment entities involved up front to provide strategic input

Consider best fit into technology architecture roadmaps







Thank You

For questions and/or additional information, please contact:

Lindsey Polley Director, Defense Accounts Lindsey@Starburst.aero

