



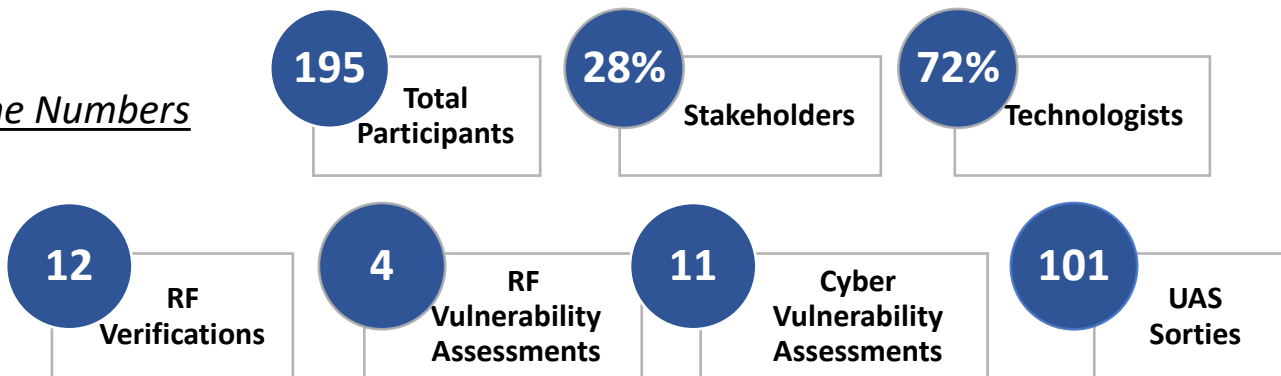
## JIFX 25-2 Quicklook

We had a great start to the new year for the JIFX community and our sponsor, NavalX, with JIFX 25-2 at Camp Roberts, CA from 3-7 February 2025. Despite rain and wind, the JIFX tenets were aptly demonstrated with several experimental firsts and through the extensive collaboration between technologists. That collaboration both extended the duration of many experiments and facilitated several that would otherwise not have been conducted. In total, we had technologists from 23 businesses in attendance exploring 24 unique technologies along with DoD stakeholders USCENTCOM, USTRANSCOM, Army Futures Command, JSOC, NSW, AFSOC, DoN SEC, and DTRA.

Additionally, Mr. Morgan Bower, FLEETWERX PM, introduced the NPS Tech Transfer Reverse Pitch event and the JIFX team along with select stakeholders began a beta test as part of the NavalX Inland Empire TechBridge's efforts to validate the DINA AI Assistant toolset for use across the defense innovation community. And capping the week, 18 officers studying at NPS along with six faculty members engaged with technologists, stakeholders, and our JVAB partners on topics ranging from counter-UAS capabilities to technology assessment methods.

The next JIFX event is scheduled for 12-16 May 2025. We invite innovators, technologists, and service members to propose technologies that improve situational awareness, secure communication, and provide defensive countermeasures to ensure superior C4ISR capabilities essential to maintaining operational dominance and resilience in complex and contested environments. New proposals for flying or emitting technologies are due by 4 March 2025. Proposals can be submitted here <https://www.nps.edu/web/fx/experiment-proposal>.

### By the Numbers





### JIFX 25-2 Quicklook

Quad ID	Experiment Title	Organization	Vulcan Scout Card ID
A-12	Mult-Agent UAV GPS-Denied Autonomy & Deconfliction	<a href="#">Rhoman Aerospace</a>	<a href="#">11550</a>
B-02	Tactical Edge Embodied AI Mesh (TEEAM)	<a href="#">Gambit Defense</a>	<a href="#">16481</a>
B-07	CBRNE threat Avoidance, Detection, and Neutralization via HoloWarrior MUM-T kit for Vehicles	<a href="#">VR Rehab Inc.</a>	<a href="#">17822</a>
B-09	Quantum Shield	<a href="#">Solideon</a>	
C-05	Archimedes Directed Energy Weapons System	<a href="#">Aurelius Systems</a>	<a href="#">18875</a>
C-07	Identifying friendly Group 1 UAS Using Encrypted ADS-B to Share PLI (Position Location Information) with Friendly Forces using M5L2 Rebroadcast	<a href="#">uAvionix</a>	
D-03	Sub-Zero	Massive Light	<a href="#">18855</a>
D-04	AWS Tactical Edge Mission Framework	<a href="#">Amazon Web Services</a>	
E-02	Secure Communications in Contested/Denied Environments	<a href="#">Cyphlens</a>	<a href="#">15375</a>
E-03	SANDMAN	<a href="#">NUTS Technologies</a>	<a href="#">18860</a>
G-02	TerraSuite/VORTEX	<a href="#">Skyline Software Systems</a>	<a href="#">17343</a>





**JIFX**  
Joint Interagency Field Experimentation



## JIFX 25-2 Quicklook

Quad ID	Experiment Title	Organization	Vulcan ID
G-05	Wingman AI	<a href="#">ThermoAI</a>	<a href="#">19232</a>
G-06	Narrative Intelligence: Actionable Insights for Information Operations	<a href="#">Clara Copilot</a>	<a href="#">16451</a>
G-08	AI-Powered Role-Player Training	Delta Learning	<a href="#">18874</a>
J-01	xCell DVT	<a href="#">Firestorm Labs</a>	<a href="#">16974</a>
J-03	METEOR - Quiet Tactical Power	<a href="#">Joule Case</a>	<a href="#">18804</a>
K-01	Remote powering using battery generators and solar recharging in a tactical environment	<a href="#">New Use Energy Solutions</a>	
K-02	Theia - More Effects, Less Complexity	<a href="#">Husmann Technologies</a>	<a href="#">18482</a>
K-04	Off Grid Renewable Energy (OGRE) System	<a href="#">Bren-Tronics</a>	
K-06	LightCell: Reliable, Long-Endurance, Multi-Fuel Power Generation for Sustained Operations	<a href="#">Mesodyne</a>	<a href="#">15565</a>
K-07	Sustained Edge Power	<a href="#">Chariot Defense</a>	<a href="#">18886</a>
K-08	Ground Vehicle Equipped with Hybrid Electric Power System	<a href="#">Burgess Aerospace Innovations</a>	<a href="#">18591</a>
M-01	Pikeman: Low-Cost Electric Loitering Munition	<a href="#">GreenSight</a>	



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**C-05: Aurelius' Archimedes Directed Energy Weapons System** made its field debut and proved effective in all weather conditions and of high interest despite the weather.



**B-12: Rhoman Aerospace and B-03: VRR's** long term collaboration saw the first landing of the VRR Bee using the HoloWarrior VR system.



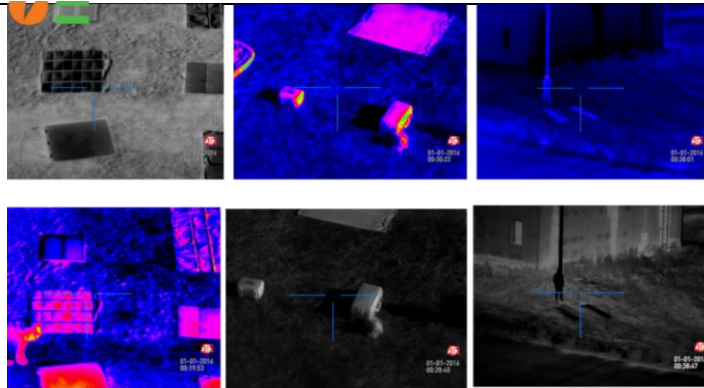
**M-01: Greensight's Pikeman** loitering munition makes its first rocket assisted launch from McMillan Airfield.



JIFX 25-2 Quicklook



**K-01: New Use Energy.** Explored various applications for their tactical power systems while also examining the visual and thermal signatures of their solar cells.



**J-03: Joule Case's Meteor tactical power system** enabled **B-07: VRR** to conduct their HoloWarrior, HellHive, and Bee experimentation at the FOB.

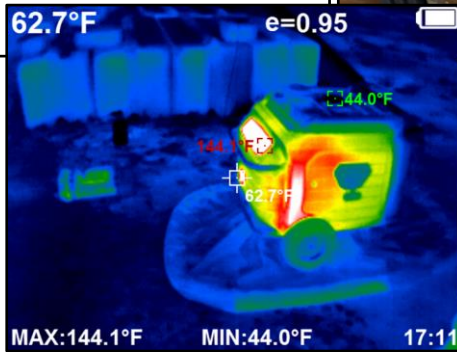


**K-07: Chariot Defense** provided power to **C-05: Aurelius Systems** laser and later, seen here, powered **J-01: Firestorm Labs xCell DVT UAS** production facility.

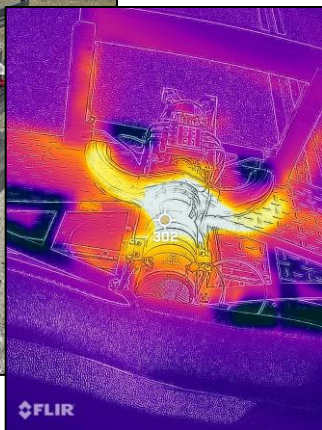


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**K-06: Mesodyne's NexGen LightCell** prototype proved capable of providing power at an efficiency far surpassing batteries of similar weight. And while in operation demonstrated a much lower thermal and noise signature than a comparable internal combustion generator.



**K-08: Burgess Aerospace Innovations** high-performance hybrid-electric propulsion system was fitted to a ground vehicle for field testing.



**G-05: ThermoAI Wingman** device captured critical performance data from various engines.





**JIFX 25-2 Quicklook**



**B-02: Gambit Defense** employed their Tactical Edge Embodied AI Mesh (TEEAM) system to complete more than a dozen five drone “leader-follower” swarm missions

**G-02: Skyline Software’s** TerraSuite rendered detailed 3D models of McMillan, the CACTF and Forward Operating Base in near real time.



**Mother Nature** reminded us that McMillan is a great site for experimentation in all seasons.

**Upcoming JIFX Events**

Event	Dates	Focus Area	Location
JIFX 25-3	12-16 May 2025	Command, Control, and Communications	NPS Field Laboratory
JIFX 25-4	11-15 August 2025	Human Machine Integration	NPS Field Laboratory

