

TECH TUESDAY

TECH YOU MISSED

JOIN US VIRTUALLY, EVERY TUESDAY FROM 1500 - 1700 ET,
FOR GAME-CHANGING TECHNOLOGY PITCHES

Archaius LLC: Passive Navigation in GPS-denied Environments Using Magnetic Velocity and Position Sensing (www.archaius.net)

Capability: The passive Magnetic Velocity and Position (MVP) sensor will support better than GPS position accuracy for 24 hours in GPS denied operation, having a drift rate >100X less than that of a strategic INS yet have a SWAP and cost acceptable for unmanned as well as manned platforms.

POC: Rick Vosburgh, rick@archaius.net

BeBop Sensors: Smart Fabric Technology (www.bebopsensors.com/technology)

Capability: Wearable technology in the form of smart fabric - HMI in soft goods. Transformative in the way humans will interact with devices via touch and haptic feedback.

POC: Kevin Mikalsen, kmikalsen@bebopsensors.com, 407.448.7159

BetterUp, Inc: On-Demand Mobile Coaching Platform (www.betterup.com)

Capability: On-demand, confidential coaching available to the SOCOM community, accessible by any computer or smartphone around the globe during pre-deployment, deployment, and post-deployment phases.

POC: Alex Haig, alex.haig@betterup.co, 202.361.6557

Blue Coral Advisory Group/SignalFrame: Signal Navigator (www.signalframe.com)

Capability: SignalFrame uses this omnipresent sensor network to harness the detectable signal landscape. The SignalGraph™ platform applies unique analytical layers to organize the data, creating a searchable, temporal, and relational graph of devices that move about and interact in the physical world.

POC: Vic Hyder, vic@signalframe.com, 305.432.6822



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Blue Coral Advisory Group: Strider Technologies (www.strider.tech)

Capability: Strider enables the illumination of previously unseen risks of economic espionage across companies' personnel and third-parties. Our ecosystem combines machine learning and network analysis with human expertise to give companies the tools to confront today's challenges and prepare for tomorrow's threats.

POC: Vic Hyder, vic.hyder@strider.tech

CCX Technologies: Cyber Security WiFi Router for Aircraft Avionics, Vessels, and Vehicles (www.CCXTechnologies.com)

Capability: Cyber Security WiFi Router for Aircraft Avionics, Vessels, and Vehicles. Includes firewall for communications for satellite connectivity within airframe, vessel, or vehicle.

POC: Rob Hill, rob@ccxtechnologies.com, 321.544.7177

Corsha: Machine-to-Machine Security (www.corsha.com)

Capability: For every human that connects to a network, there may be 30+ machines that are connecting and performing mission-critical work. We can ensure that all machine-to-machine communication with a network is secure and that only authorized machines can connect to the network.

POC: Chris Simkins, chris@corsha.com, 571.748.5010

FLITE Material Sciences: Superhydrophobic Surfaces (www.flite.tech)

Capability: Industrial surface failures, whether metal, plastic, glass, or composite, occur when protective coatings can't stop rust, ice or fouling, leading to billions in loss and damage. FLITE uses a new laser technique so that materials protect and clean themselves without coatings, leading to longer-lasting, safer products that are easier to maintain.

POC: Dan Cohen, dan.cohen@flite.tech, 617.314.2953



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Foothold Labs: Machine Learning Enabled Rapid Diagnostics for Bio/Chemical Threats (www.footholdlabs.com)

Capability: The NanoRev system is a portable, low-cost, easy-to-use machine learning-enabled rapid diagnostic platform for the detection of chemical and biological threats.

POC: Sean McIntosh, sean@footholdlabs.com, 785 764 9904

Future Ballistics: Self Aiming Rifle (futureballistics.com)

Organization: Future Ballistics

Capability: Our rifle mounted system changes the flight path of a bullet to hit its intended target. This eliminates the need to aim directly at the target at any time.

POC: Brandon Lima, blima@futureballistics.com, 831-359-3915

i2Chain, Inc.: Privacy Compliant Clouds, Folders, and Files (www.i2chain.com)

Capability: i2Chain is a non-intrusive, storage agnostic, and an intuitive application that secures information transactions just as seamlessly as VISA secures financial transactions.

POC: Ajay Jotwani, ajay@i2chain.com, 408.876.8100

ICON: Rapid 3D Printing of Concrete Tactical Shelters (www.iconbuild.com)

Capability: ICON is a construction technology company delivering robotics, software, and advanced materials to rapidly build large-scale structures.

POC: Evan Loomis, evan@iconbuild.com, 703.517.4932



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IMRSV Data Labs Inc.: Building Layout Prediction (imrsv.ai)

Capability: We are capable of taking civilian overhead satellite images and using them to generate a predicted floor plan for the interior layout of the building with appropriate room labels. The floor plan also contains exterior window and door locations, as well as, building material composition where possible.

POC: Samuel Witherspoon, samuel@imrsv.ai, 613.797.3550

Isotropic Systems: One Terminal All Satellites (LEO/MEO/GEO) Multi-band SATCOM Terminal (www.isotropicsystems.com)

Capability: Wearable technology in the form of smart fabric - HMI in soft goods. Transformative in the way humans will interact with devices via touch and haptic feedback.

POC: Kevin Mikalsen, kmikalsen@bebopsensors.com, 407.448.7159

JGW Group/AMD: Nano Technology CWA Detection (jgwgroup.com)

Capability: Multi-selective photonic crystal base gas sensors for CWA and TICs.

POC: Andrew Wilson, awilson@jgwgroup.com

Maren-Go Solutions: HAIL STORM Tactical Swarm (maren-go.com)

Capability: Hive AI Logistics's (HAIL) platform agnostic software architecture deploys packs of autonomous systems with on board logic and cutting-edge AI sensor integration able to operate in a C2D2 environment providing ISR, logistics, and ordnance delivery. HAIL Single Tactical Ordnance for Reinforced Maneuver (STORM: <https://youtu.be/-jmlh5mm6K4>) delivers revolutionary survivability and lethality for Warfighters making each unit its own combined arms force.

POC: Emil Reynolds, emil@maren-go.com, 757 343 3399



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Marshall Monroe MAGIC: SkyLight - Volumetric ISR (marshallmonroemagic.com)

Capability: Next-Generation Volumetric ISR pipeline integrating collection, processing, curation, markup, and publishing/exhibition to mobile client devices. Client endpoint is desktop FPV or hand-held AR for immersive quality.

POC: Marshall Monroe, mm@marshallmonroemagic.com, 505.414.8271

Motorola Solutions: Airbender (www.motorolasolutions.com/)

Capability: AirBender™ Technology enables Commercial Off The Shelf (COTS) LTE handsets to operate in an alternative spectrum to enhance C5ISR resiliency in contested- and congested-network environments through frequency agility with exceedingly small SWaP.

POC: Gary Western, gary.western@motorolasolutions.com, 815.382.1621

Nimbus Engineering Inc.: Photonic Energy Storage Enables Rapid Charging Capability (www.nimbus.energy)

Capability: Nimbus Engineering Inc is developing a novel energy storage system that wirelessly charges photonically. Our technology simplifies the logistic burden of charging electronic devices by transmitting and storing light energy.

POC: Matt Jerrild, mjerrild@nimbuscorporation.com, 203.981.2852

Parsanti: Package Solution (www.parasanti.com)

Capability: Our software + hardware platform conducts machine learning at the edge to deliver streaming analytics in zero bandwidth environments.

POC: Max Adams, max@parasanti.com



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Private Machines: ENFORCER SRX2 - Ruggedized Tactical Edge, Cloud, and Infrastructure with Cyber Defenses, Anti-Tamper, and Self-Destruct (www.enforcerserver.com)

Capability: New, cutting-edge FIPS 140-2 Level 4 anti-tamper certified cyber security technology (secure ruggedized tamper-proof edge cloud pods, servers, and versatile general-purpose high-density modules) for protection of mission-centric tactical edge and secure cloud computing

POC: John Rogers, john@privatemachines.com, 631.731.1695

Sema Technologies, Inc.: Code Development (semasoftware.com)

Capability: Sema writes code that evaluates the quality of code and the quality of software developers.

POC: Matt Van Itallie, mvi@semasoftware.com

Tokagroup Inc.: Toka VISINT (www.tokagroup.com)

Capability: Toka VISINT provides access and full control to adversary surveillance systems and security cameras (DVR, NVR, NAS, and legacy CCTV), to empower agencies with a new realm of visual intelligence required for operations, to diffuse complex scenarios with minimal friction using cyber technologies.

POC: Nir Peleg, nir@tokagroup.com, 202.455.6969

Trifacta: Modern DataOps (www.trifacta.com)

Capability: Trifacta is the leader in the self-service data prep space due to our unique, AI-based approach to simplifying user experience while reducing operational overhead associated with "data wrangling" and traditional ETL by 80-90%. The result is faster time to insight and lower operational costs. Our customers include the OSD and numerous other DoD/IC customers relevant to you.

POC: Seth Goldsmith, sgoldsmith@trifacta.com



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Umbra Lab, Inc: SAR Microsatellite with 10cm x 25cm (10 inch) Resolution (umbralab.com)

Capability: Umbra is offering a new commercial capability and has built the world's only commercial synthetic-aperture radar (SAR) satellites (\$1M launch cost) capable of generating high resolution (.10cm X .25cm) imagery. Umbra's constellation offers hourly average revisit with only 8 satellites at .50 centimeters.

POC: Gabe Dominocielo, gabe@umbralab.com

Vintra: Target Tracker - AI Cross Video Search (vintra.io)

Capability: Use single frame of video to find same person or vehicle across live and recorded video.

POC: Brian Karas, bkaras@vintra.io, 603.315.7877

Visual Dawn, Inc: Enhanced Vision (www.visualdawn.com)

Capability: Visual Dawn will increase warfighter effectiveness and safety by improving visual awareness using our comfortable, soft contact lens which displays information directly in the user's field of view and is powered by the user's own tears.

POC: Trevor Squier, trevor@visualdawn.com

Wolfcom Enterprises: Remote Live Streaming Body Camera with GPS Tracking & Facial Recognition (www.wolfcomglobal.com)

Capability: We can live stream audio/video and GPS coordinates of a soldier's body camera providing Point of View capability to a command center. Facial Recognition can detect wanted terrorists and alert both the soldier and command center.

POC: Peter Onruang, wolfcom@wolfcomglobal.com, 323-864-7555



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