



NATIONAL SECURITY
INNOVATION NETWORK

PROPEL HAWAII

2024 Demo Day

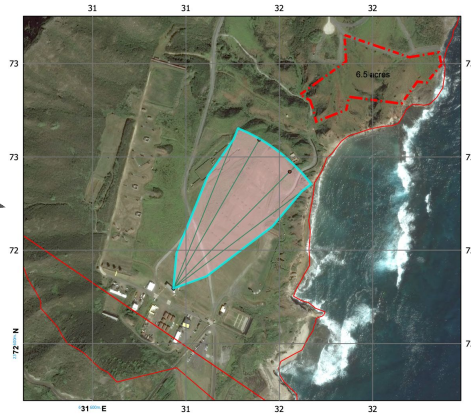
PACAF CUAS /ALT PNT Demonstration Event

Date: Wednesday Oct 23, 2024, 0900-1100 HST

Location: Marine Corp Base Hawaii, Kaneohe, Range Control BLDG 1584 Middaugh St

Live Fire: Range (R-5)

Alt PNT: Adjacent Classroom 3b



Directions: Enter Main Gate, continue straight of **G St** and turn right on **Mokapu Road**, left on **Harris Avenue**, right on **Middaugh St** until you hit Range Control building #1584 on your left. There will be a traffic guard directing you towards parking.

Agenda:

0830-0900 Parking + Arrival

0900-0915 Safety Brief (**All Hands; required for all in attendance**)

0900-0920 Industry Welcome Address

0920-1015 Live Fire Demo with [Zeromark](#)

Zeromark will demonstrate a clean autonomous detection and takedown of a maneuvering aerial target.

Demo support by 3rd MLR on CUAS.

1015-1100 Classroom Alt PNT Demo with [Tern.ai](#) and [Zephr.xyz](#)

Tern will demonstrate a user position without GPS, sim card & in airplane mode directly from a mobile application.

Zephr will demonstrate a distributed network of GPS devices for improved accuracy and resiliency of warfighter positioning. Using improved positions to location, Zephr will enable AI for on demand custom GEOINT.

Please RSVP by October 17th using the link below or to propel@decisivepoint.com. Attire for the event is Aloha Casual/ Uniform of the Day.

[RSVP Here](#)



NATIONAL SECURITY
INNOVATION NETWORK

PROPEL HAWAII

2024 Demo Day

Date

Friday 25 October 2024
1:00-5:00 PM HST

Location

Hickam Air Force Base
Hangar 19



Enter through Hickam Main Gate, continue on O'Malley Boulevard, pass several aircraft displays on your left, take the next left turn; Hangar 19 (red) will be directly in front of you. Parking adjacent (blue). PACAF HQ (yellow) for point of reference.

Presented by:



NATIONAL SECURITY
INNOVATION NETWORK



Decisive Point



Defense Innovation
OnRamp Hub: Hawai'i

Aloha!

You are invited to join the **National Security Innovation Network (NSIN)**, a component of the **Defense Innovation Unit (DIU)**, and **U.S. Pacific Air Forces (PACAF)** for the **NSIN Propel Hawaii Demo Day**, where ten emerging startups will present breakthrough technologies aimed at solving critical national security challenges in the Indo-Pacific.

This event goes beyond traditional showcases, highlighting solutions designed to boost the operational readiness and combat effectiveness of the U.S. Air Force and its joint partners in the Pacific. Don't miss this opportunity to engage with forward-thinking innovators, gain valuable strategic insights, and explore cutting-edge technologies ready for immediate deployment.

Please **RSVP by October 17th** using the link below or to propel@decisivepoint.com. Attire for the event is Aloha Casual.

[RSVP Here](#)

1:00- 1:30 PM

Check-in and Networking

Entertainment by the Air National Guard Band

1:30 - 2:30 PM

Welcome Address

Opening Remarks

Dr. Michael Durstock, PACAF Chief Scientist

Startup Presentations

Ten startups will give a lightning overview of their tech

2:30-4:00 PM

Live Demonstrations

Startups open demo in the hangar

4:00 - 5:00 PM

Pau Hana and Networking

Food and Drink for purchase from local food trucks

Meet the Cohort!





NATIONAL SECURITY
INNOVATION NETWORK

PROPEL HAWAII

2024 Demo Day



Demo: Software that enables ISR Fusion, PAI/OSINT, and Plans and Orders.

TRL=7-9
AOC of the future, modular, open, interoperable architecture

Engaged with: 613 AOC, PACAF S&T, SOCPAC J2, 1st Air Support Ops and Fighter Wing, 607 AOC, 621st Air Control Squadrons



Demo: AI powered software to optimize and automate complex supply chain and logistics planning providing real-time feedback.

TRL=8
AI decision making, predictive supply chain, advanced computing

Engaged with: DMOC, U.S. AF Academy, Steward AFB End-Users and exploring a CRADA with PACAF + AFRL on data integration



Demo: Software that automatically detects, analyzes, classifies sensitive data across document formats and images.

TRL=9
Zero trust, data sharing, data protection, AI-governance

Engaged with: PACAF DCS, CIO Northrop Grumman, BAE Systems, PACAF A9 Innovation and AI Education and Implementation



Demo: Man-portable attritable radar system that detects threats and acts as a decoy to emulate radar signals. Power provided by cohort company, Pvilion.

TRL=8
Camouflage, concealment, and deception, minimal footprint and setup

Engaged with: 613th AOC, INDOPACOM J85, 5th ASOS, and participated in REFERPAC through PACAF recommendation



Demo: Analytical geo-inference engine showcasing historical and near real time multimodal data.

TRL=7
Data fusion, advanced sensing, applied AI, platform agnostic

Engaged with: 613th AOC, SOCPAC J2, INDOPACOM J2 and exploring a CRADA with PACAF



NATIONAL SECURITY
INNOVATION NETWORK

PROPEL HAWAII

2024 Demo Day

pvision

[Pvision](#)
Brooklyn, NY

Demo: Solar Powered Integrated Structures that mask thermal/ visual signature and replace the need for diesel generators.

TRL=6
Camouflage, concealment, and deception, modular, EMP resistant

Engaged with:
PACAF HQ, PACAF A4, SPACEWERX and receiving engagement advisory with PEO WNZ

tagup

[TagUp Inc.](#)
Boston, MA

Demo: Supply positioning, target, and transport planning software under various scenarios and constraints.

TRL=8
AI-powered, predictive supply chain, operations & maintenance optimization

Engaged with:
PACAF JIT, MARFORPAC, Aviation Logistics division, and PACFLT N6 + AI lead

tern >

[TernAI](#)
Austin, TX

Demo: SUV shuttle on loop around base to showcase user position without GPS, sim card & in airplane mode.

TRL=7
Alternative PNT, proprietary AI models, resistant to jamming/spoofing

Engaged with:
ACE-JIT, DHS ALT PNT Program, facilitating experimentation at Kaneohe MCBH on Oct 23rd

zephr

[Zephr.xyz](#)
Louisville, CO

Demo: Distributed network of GPS devices for improved accuracy and resiliency of warfighter positioning and using improved positions to location enable AI for on demand custom GEOINT.

TRL=7
Alternative PNT, detect and localize jamming/spoofing, gps denied environments

Engaged with:
SOCOM, AFRL, ACE-JIT SPACEWERX, facilitating experimentation Kaneohe MCBH on Oct 23rd



ZEROMARK

[ZeroMark Inc.](#)
Watchung, NJ

Demo: Aim Augmentation rifle-based fire control system for C-UAS.

TRL= 3-7
AI-operator assist, CUAS, human performance force & base protection

Engaged with: USCG R&D DHS, ABL CDR, AFRL, NSWDC Office of Innovation, PACAF A4, facilitating live fire demo at Kaneohe MCBH on Oct 23rd