

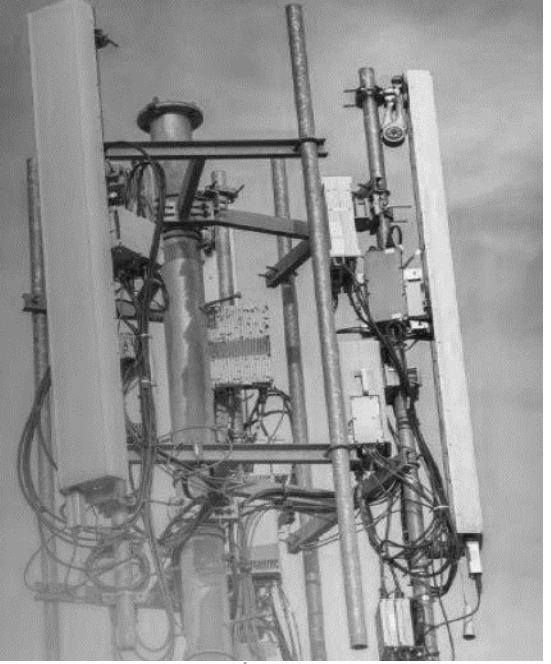
PTI & Trifecta for DoD by: Signal Point and AT&T

ADC - 2023

A BAI Communications Company, backed by the CPP

DEPLOYING BEST-IN-CLASS ENHANCED WIRELESS AND FIBER INFRASTRUCTURE ON U.S. DOD INSTALLATIONS

- Active on over 50 DoD installations with 50 macro towers, 250 small cells, and 500 miles of fiber in flight – with plans to deploy to over 100 installations
- Access to over \$500M of build capital for wireless and fiber infrastructure
- Signal Point has partnered with AT&T and FirstNet to deliver the Smart Military Base of the Future with Passive Telecom Infrastructure (PTI) to DoD installations



ENABLING SMART MILITARY BASES AT NO COST TO DOD



Build-to-Suit
Macro Towers



Build-to-Suit
Small Cells



Fiber Solutions



In-Building
Solutions



Private
Networks



Public Safety
Solutions



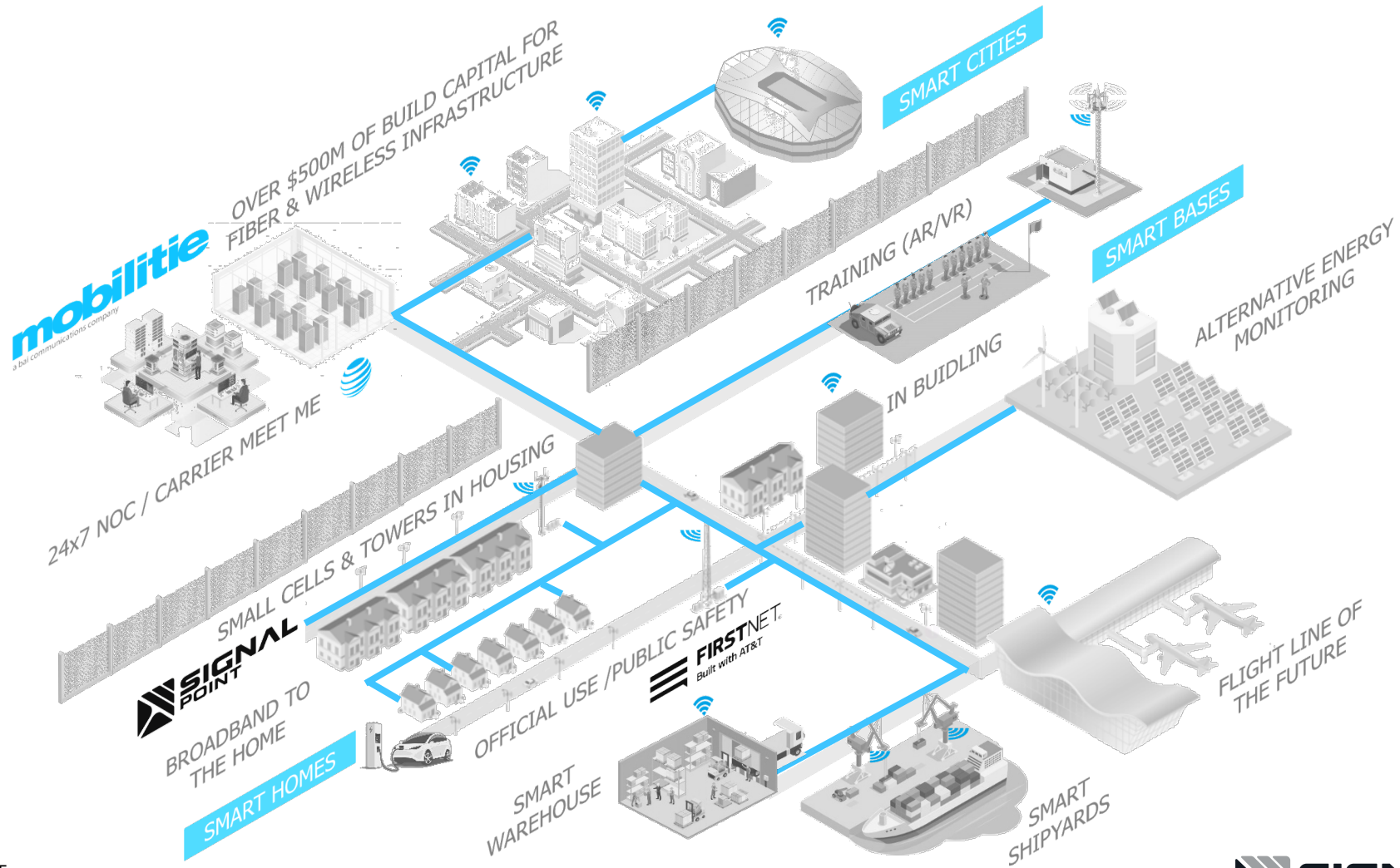
IOT and
Smart Cities/
Bases



Venue
Connectivity

HOLISTIC CONNECTIVITY

ENABLING SMART BASES



PANELISTS

CRUCIAL INFLUENCE & GUIDANCE



Col Lou Zeisman
Retired – Army

- Former Commander 2nd Stryker Brigade, Fort Lewis
- Over five combat tours during his 30-years of dedicated service



Col Scott Solomon
Retired – Air Force

- ATT, Chief Strategy Officer, Air Force and Space Force
- Former Air Force Global Strike Command CIO
- Former Commander of the 81st Training Group



LtG Michael Ferriter
Retired – Army

- Former Installation Mgt. Command (IMCOM) Commander
- Over 35 years of Service
- Current CEO of the National Veteran's Memorial and Museum

NATIONAL
VETERANS
MEMORIAL
AND MUSEUM



VADM Bill French
Retired – Navy

- Over 35 years of Services
- Six Commands; including Commander of Navy Installations Command (CNIC)
- President and CEO of a nonprofit dedicated to supporting military service members and their families



ASAF Terry Yonkers
Retired – Air Force

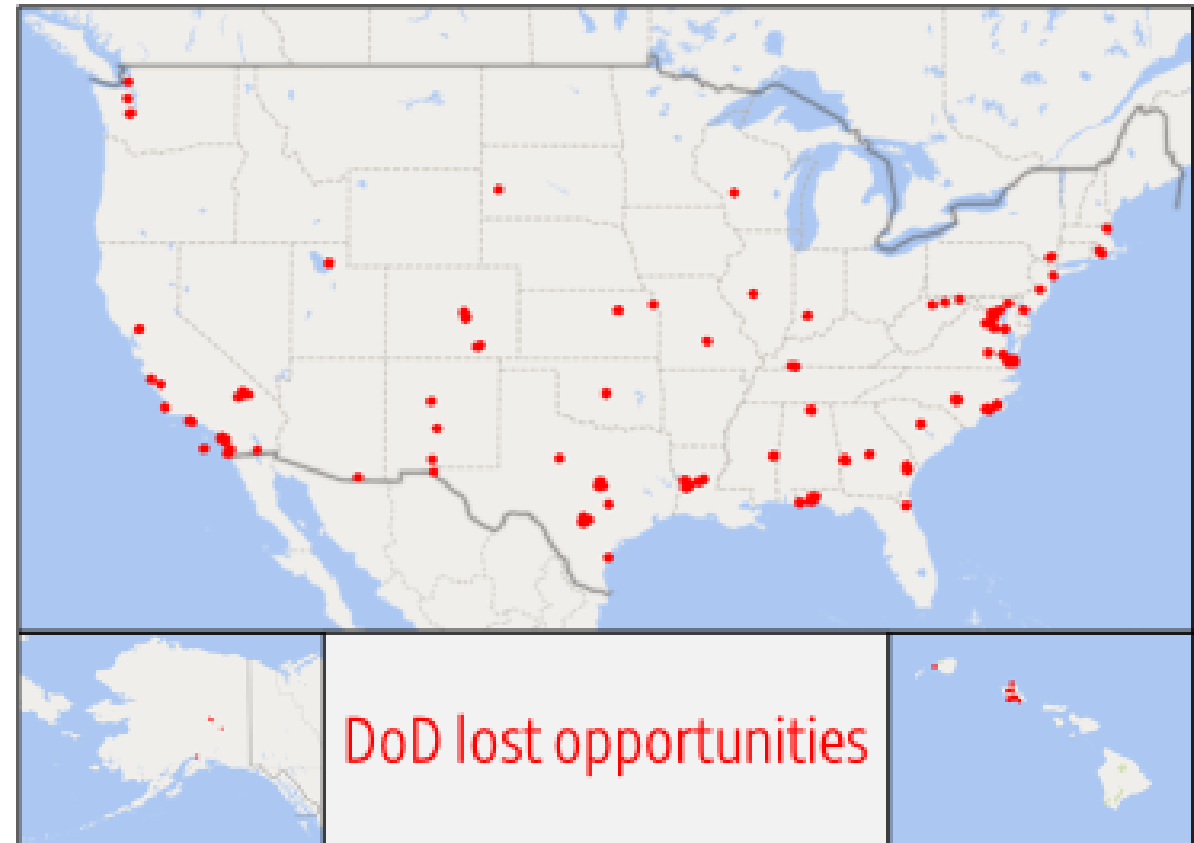
- Oversite of Energy, Real Estate, Facilities, Weapons, Logistics & Infrastructure Worldwide for the USAF
- Over 35 years of Services

Signal Point is a Board Member at NVMM

Problem Statement

The lack of ubiquitous cellular coverage across DoD bases is impacting quality of life and military readiness.

Commercial 5G coverage on DoD installations is severely hampered various policies and processes, including misdirected competition concerns, in order to obtain real property permits for wireless infrastructure.



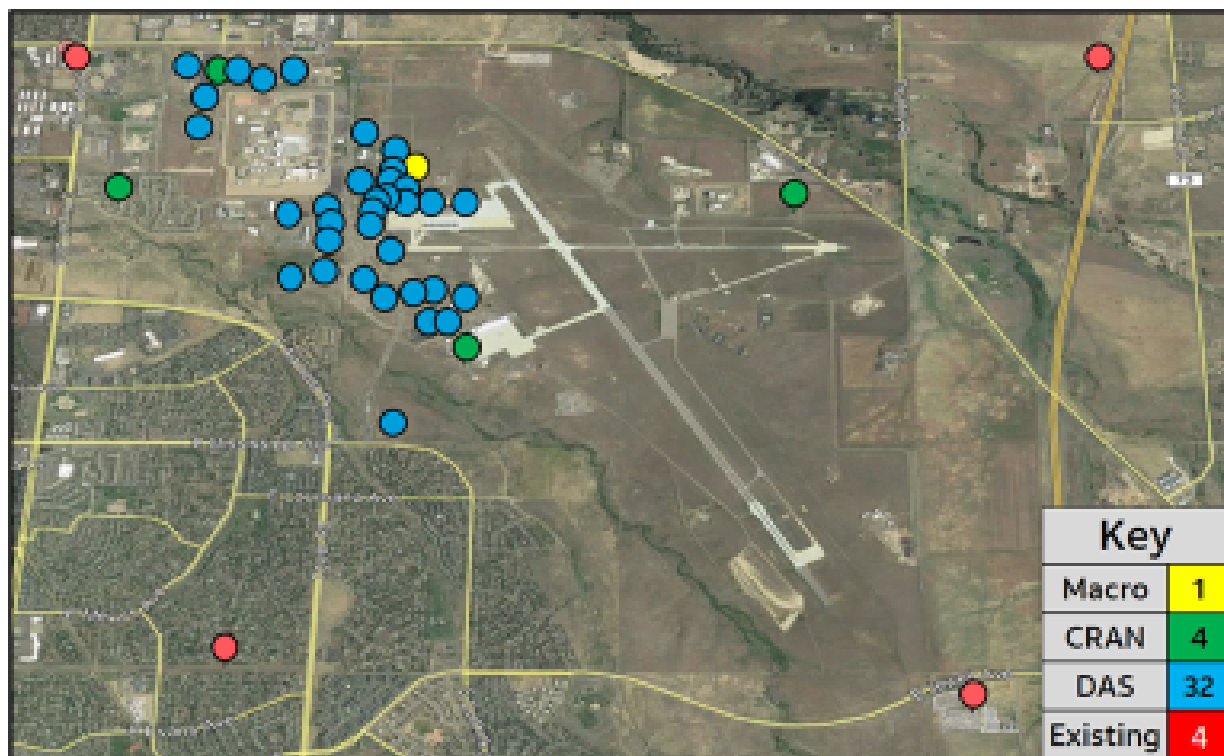
Since 2012, 77 military installation builds were cancelled due to the challenges of working through dissimilar Service processes to obtain real property permits to build -- this is for one carrier!

¹ Industry will provide this coverage at no cost to DoD -- One predictable process would benefit the DoD!

SMART Military Base of the Future

Buckley Space Force Base Update

- Tailored to meet space mission needs
- Expands Network as a Service (NaaS)
- Blueprint for “Base of the future”
- **Current Status - On Air Dec 2022**



Key Take Aways

- Seamless end-to-end, connectivity using 5G, WiFi, and MEC to extend the Base Area Network
- Wireless options for perimeter security
- Smart base IOT



What We Did And Why!

- Leveraged **low-cost commercial solutions** to modernize current base infrastructure as a foundation for expanding mission networks using 5G services
- Provided High-Speed, High-Capacity, indoor wireless **service in 33 Priority Buildings** to meet mission needs
- This new network architecture is a foundational piece of the **DoD 5G ecosystem for future 5G capabilities**
- Positioned infrastructure to **replace costly Land Mobile Radios with FirstNet services and devices**

BY THE NUMBERS

The **only** dedicated communications platform in the country that brings first responders:



Always-on, 24x7 priority and preemption across voice and data communications



A physically separate network core fully dedicated to public safety



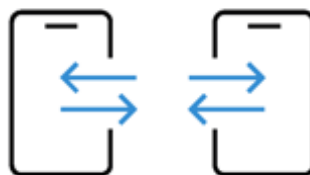
Government oversight and accountability from the FirstNet Authority

Updated: 1/25/2023

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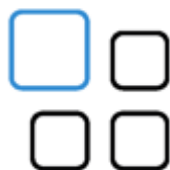
~4.4M+

FirstNet connections



24K+

Public safety agencies and organizations subscribed



200+

apps in the FirstNet App Catalog



560

FirstNet Ready® devices

AMERICA'S PUBLIC SAFETY NETWORK

2.81M+

Square miles of coverage



50K+

Square miles more than commercial networks



150+

Dedicated assets in the FirstNet fleet



30+

ROG the Dog therapy animals

99%+

Band 14 coverage commitment completion




1.2K+

Solutions deployed for public safety in 2022



QUALITY OF LIFE AND HOUSING PARTNERSHIPS

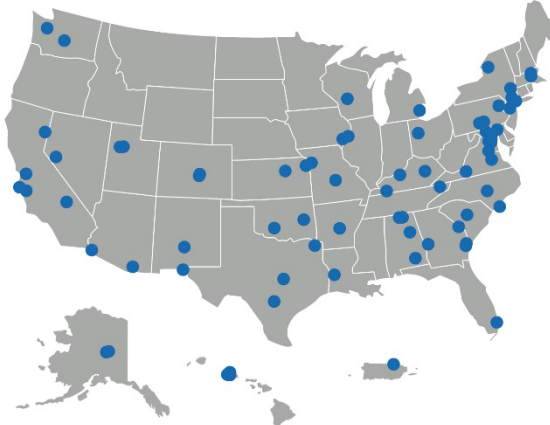
- All infrastructure that ATT/FirstNet deploys will be co-locatable for all other carriers
- ATT/FirstNet starting discussion with Army IMCOM on best path for deployment on all Army CONUS bases
- Signal Point works with AAFES to deploy Commercial Cell Carrier networks and Passive Telecom Infrastructure to Army Bases
- Focus is on improving Quality of Life for Soldiers and their families, but also bringing networks to enhance mission readiness and base operational efficiencies
- Signal Point is partnered with leaders in housing like BBC, Hunt and Liberty.
- Only 35 bases have limited FirstNet capabilities and only 20 installations have 5G coverages (typically from outside the wire).



& U.S. Army

Built with AT&T

Now, U.S. Army public safety personnel across **72 installations** have access to an unmatched level of support as well as mission-focused tools and technology they can't get anywhere else.



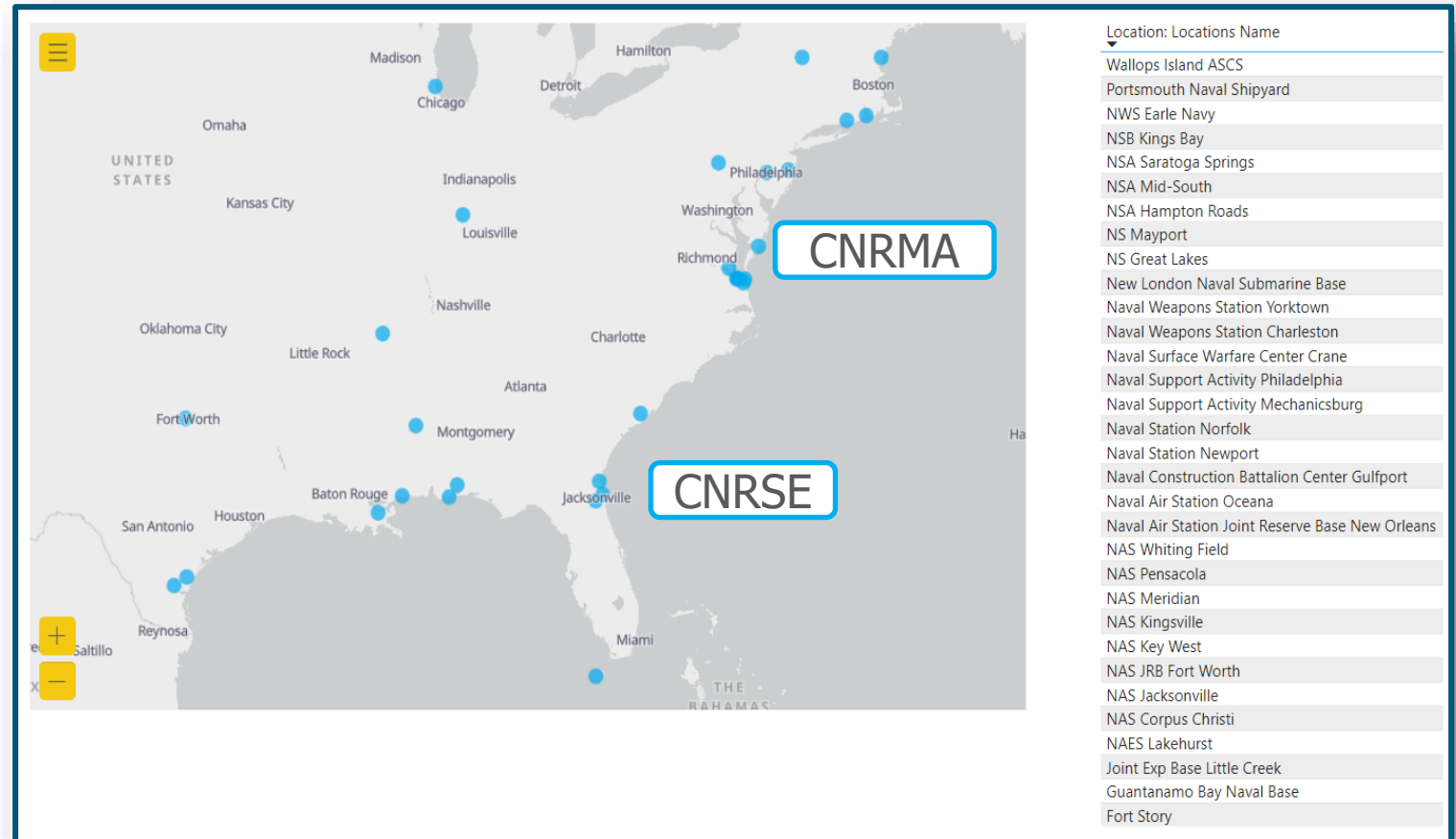
<p>AK: Fort Greely; Fort Wainwright</p> <p>AL: Anniston Army Depot; Fort Rucker; Redstone Arsenal</p> <p>AR: Pine Bluff Arsenal</p> <p>AZ: Fort Huachuca; Yuma Proving Ground</p> <p>CA: Fort Hunter Liggett; Fort Irwin; Military Ocean Terminal Concord; Presidio of Monterey; Sierra Army Depot</p> <p>CO: Fort Carson; Pueblo Chemical Depot</p> <p>FL: U.S. Army Garrison - Miami</p> <p>GA: Fort Benning; Fort Gordon; Fort Stewart; Hunter Army Airfield</p> <p>HI: Fort Shafter; Pohakuloa Training Center; Schofield Barracks</p> <p>IA: Iowa Army Ammunition Plant</p> <p>IL: Rock Island Arsenal</p> <p>KS: Fort Leavenworth; Fort Riley</p> <p>KY: Blue Grass Army Depot; Fort Campbell; Fort Knox</p> <p>LA: Fort Polk</p> <p>MA: Combat Capabilities Development Command Soldier Center - Fort Devens</p> <p>MD: Aberdeen Proving Ground; Adelphi Labs; Ft Detrick; Forest Glen; Fort Meade</p> <p>MI: Detroit Arsenal</p>	<p>MO: Fort Leonard Wood; Lake City Army Ammunition Plant</p> <p>NC: Fort Bragg; Military Ocean Terminal Sunny Point</p> <p>NJ: Fort Lee; Picatinny Arsenal</p> <p>NM: White Sands Missile Range</p> <p>NV: Hawthorne Army Depot</p> <p>NY: Fort Drum; Fort Hamilton; Watervliet Arsenal; West Point</p> <p>OH: Lima Army Tank Plant</p> <p>OK: Fort Sill; McAlester Army Ammunition Plant</p> <p>PA: Carlisle Barracks; Letterkenny Army Depot; Tobyhanna Army Depot</p> <p>Puerto Rico: Fort Buchanan</p> <p>SC: Fort Jackson</p> <p>TN: Holston Army Ammunition Plant</p> <p>TX: Fort Bliss; Fort Hood; Fort Sam Houston; Red River Army Depot</p> <p>UT: Dugway Proving Grounds; Tooele Army Depot</p> <p>VA: Fort A.P. Hill; Fort Belvoir; Joint Base Myer-Henderson Hall; Radford Army Ammunition Plant</p> <p>WA: Joint Base Lewis-McChord/Yakima Training Center</p> <p>WI: Fort McCoy</p>
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There are 78 AD Army bases we are tracking ... not to include Reserve and Guard Bases.

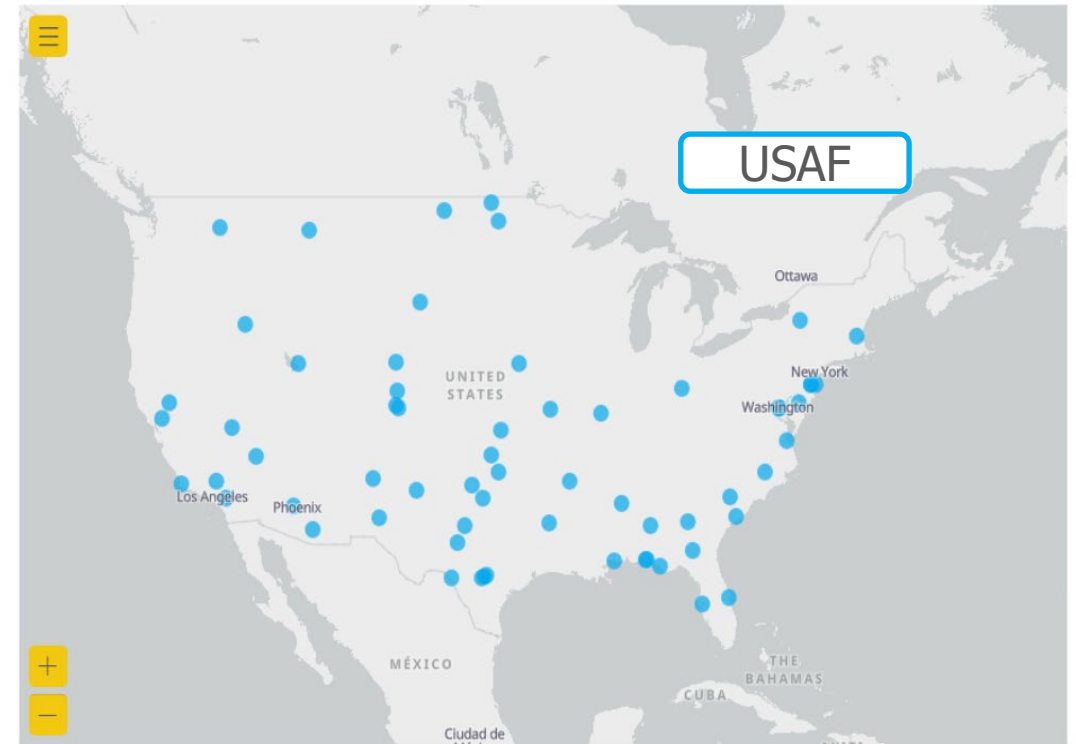
- **78 Active-duty bases**
- **35 have FirstNet infrastructure**
- **21 have 5G infrastructure**

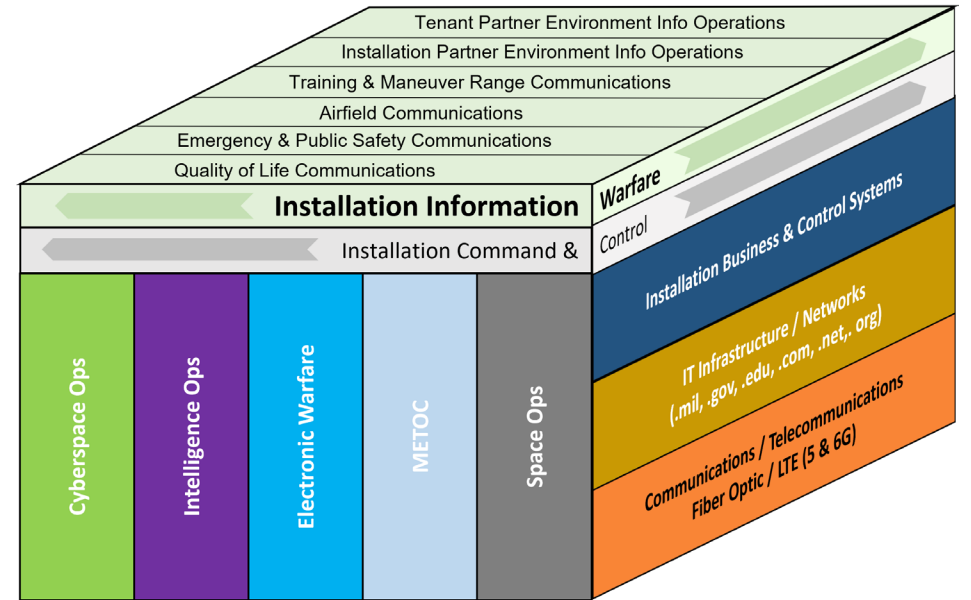
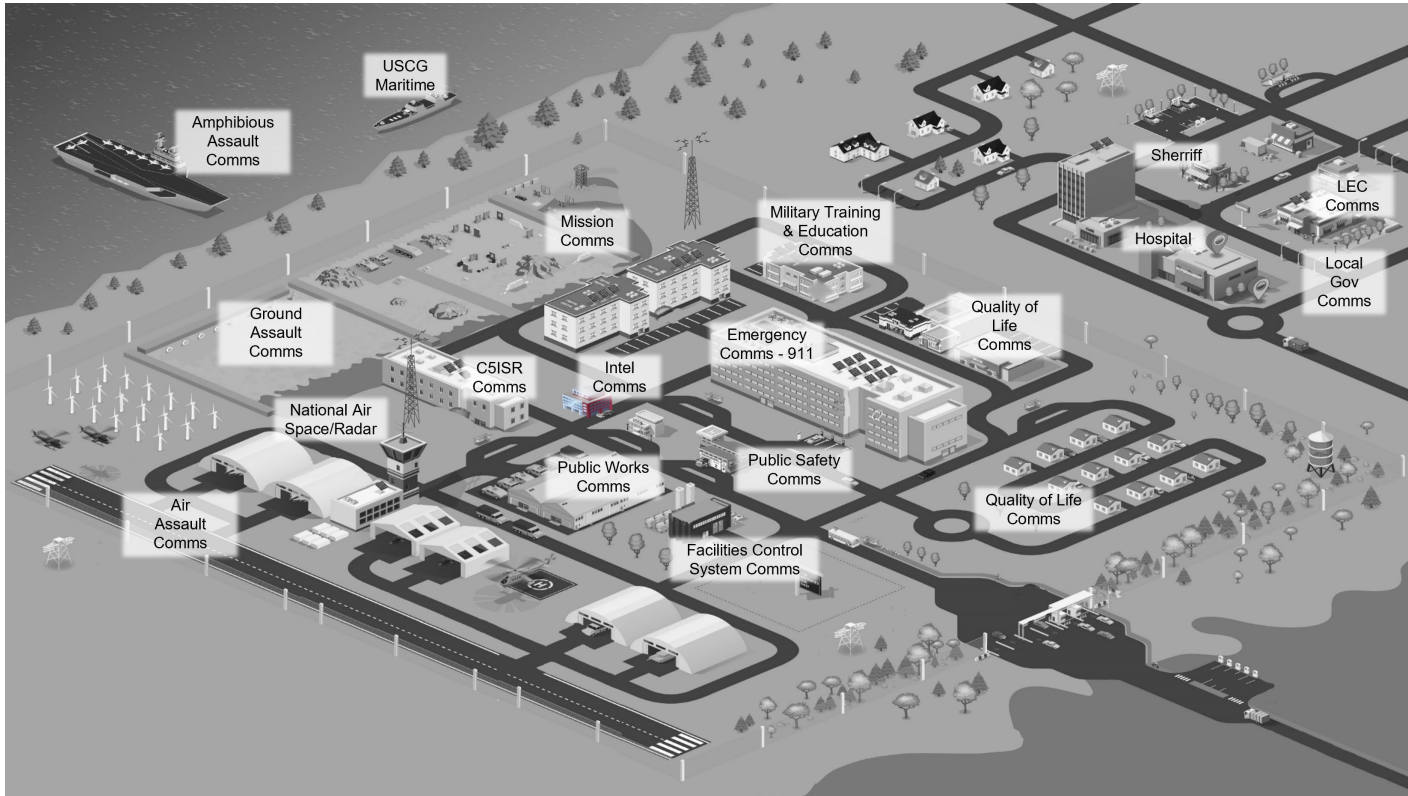
NAVY

- MIDLANT and SE – Siting Applications being submitted now in MIDLANT and to follow in April in SE.
- Started or planned discussions with SW, NW.
- Next steps: Hawaii, and DC
- All infrastructure that ATT/FirstNet deploys will be co-locatable for all other carriers



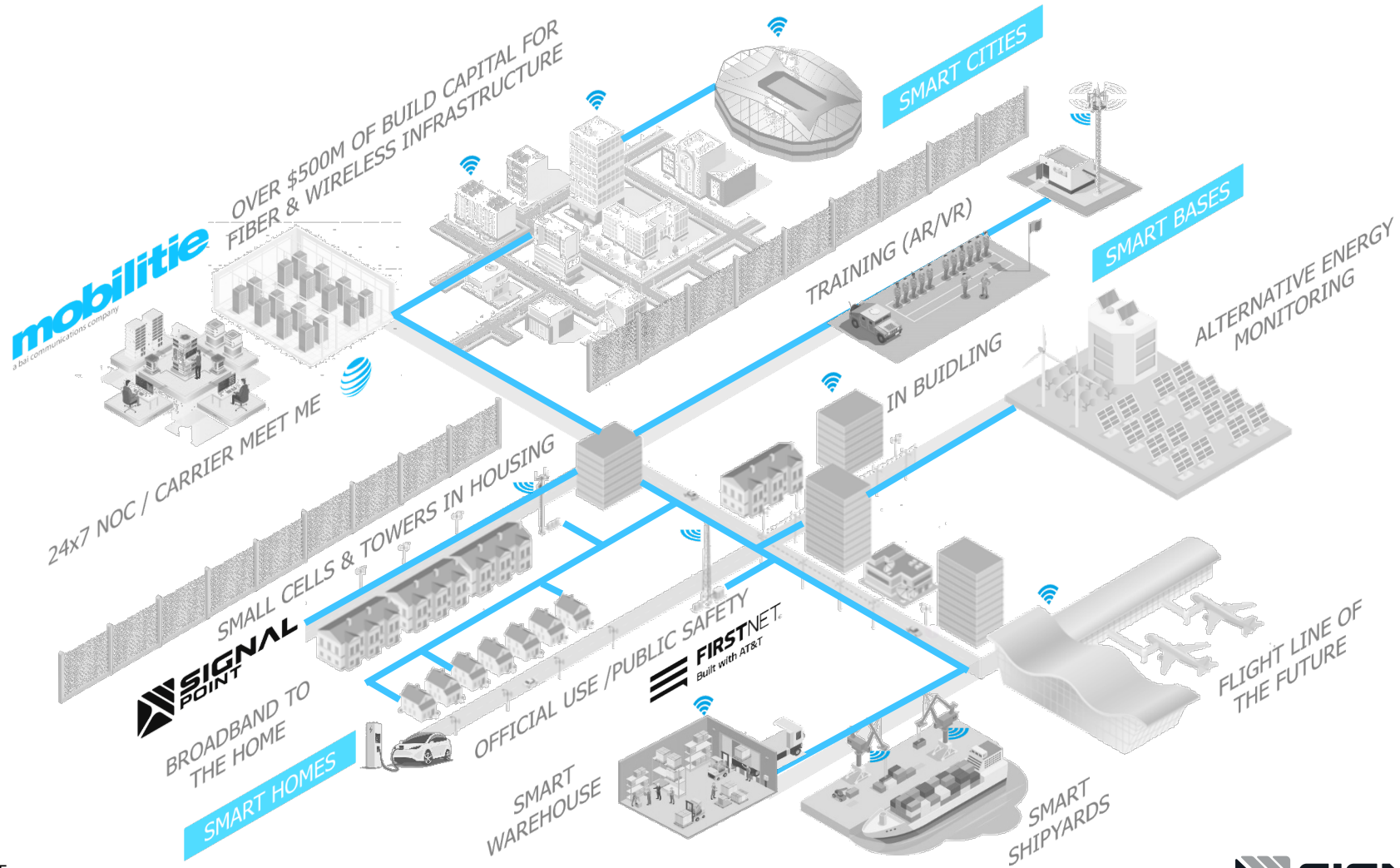
- **Submitted National PTI-Trifecta Proposal to AFCEC**
- Using Joint Base Langley-Eustis (**JBLE**) as a Concept of Operations (CONOPS)
 - All infrastructure is **co-locatable**, per AFCEC FirstNet Lease and will be available to any other cell carriers
 - Four new macro towers
 - Dark fiber for backhaul and fiber to the home (FTTH)
- **National FTTH for USAF**
 - Targeting over 50 Installations and 30,000 Homes to deliver gig-capable fiber to the home





QUESTIONS?

ENABLING SMART BASES



H.R. 7776 (2023 NDAA Guidance For 5G Infrastructure)

Section 221 – Target Date for deployment of 5G Wireless Broadband Infrastructure at all military installations

- Establish target date by which the secretary plans to deploy 5G on all military installations
- Establish metrics to measure progress toward reaching the established target date
- Not later than December 31, 2023, and on an annual basis, submit annual progress reports

Section 234 – Plans to accelerate the transition to 5G information and communications technology within the military departments

- Not later than 120 days, each Assistant Secretary concerned shall develop a plan that specifies where 5G infrastructure implementation will be in three years
- Service and installation Single POC
- Actions to streamline the process
- Establish metrics and reporting mechanisms to ensure progress