

The background features a stylized globe with a network overlay. Blue lines connect various nodes, some of which are represented by icons like mobile phones, Wi-Fi symbols, and mail icons. The globe is rendered in a light blue, semi-transparent style against a dark blue background.

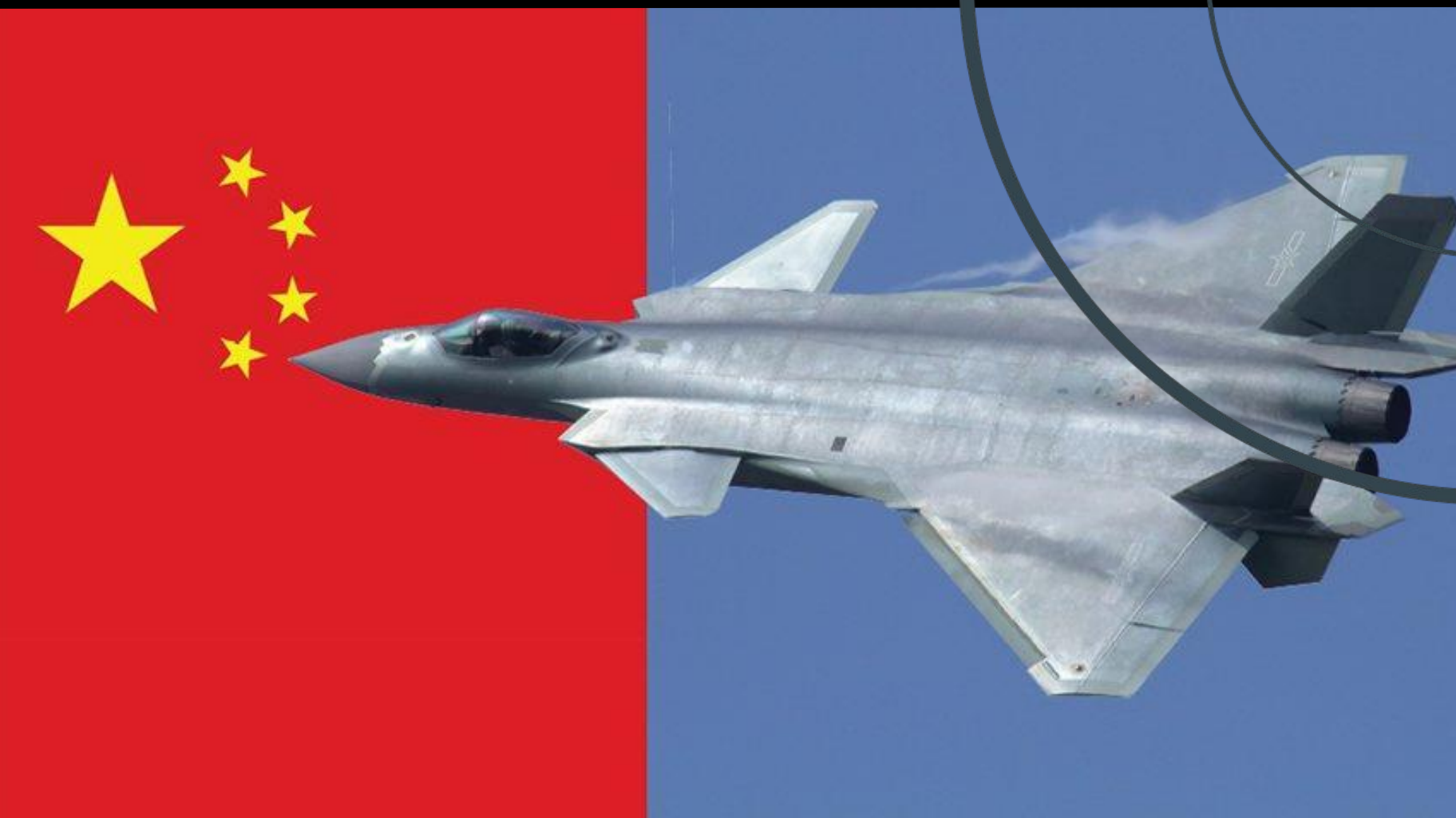
MOSS

Mobile Ops Support Suite

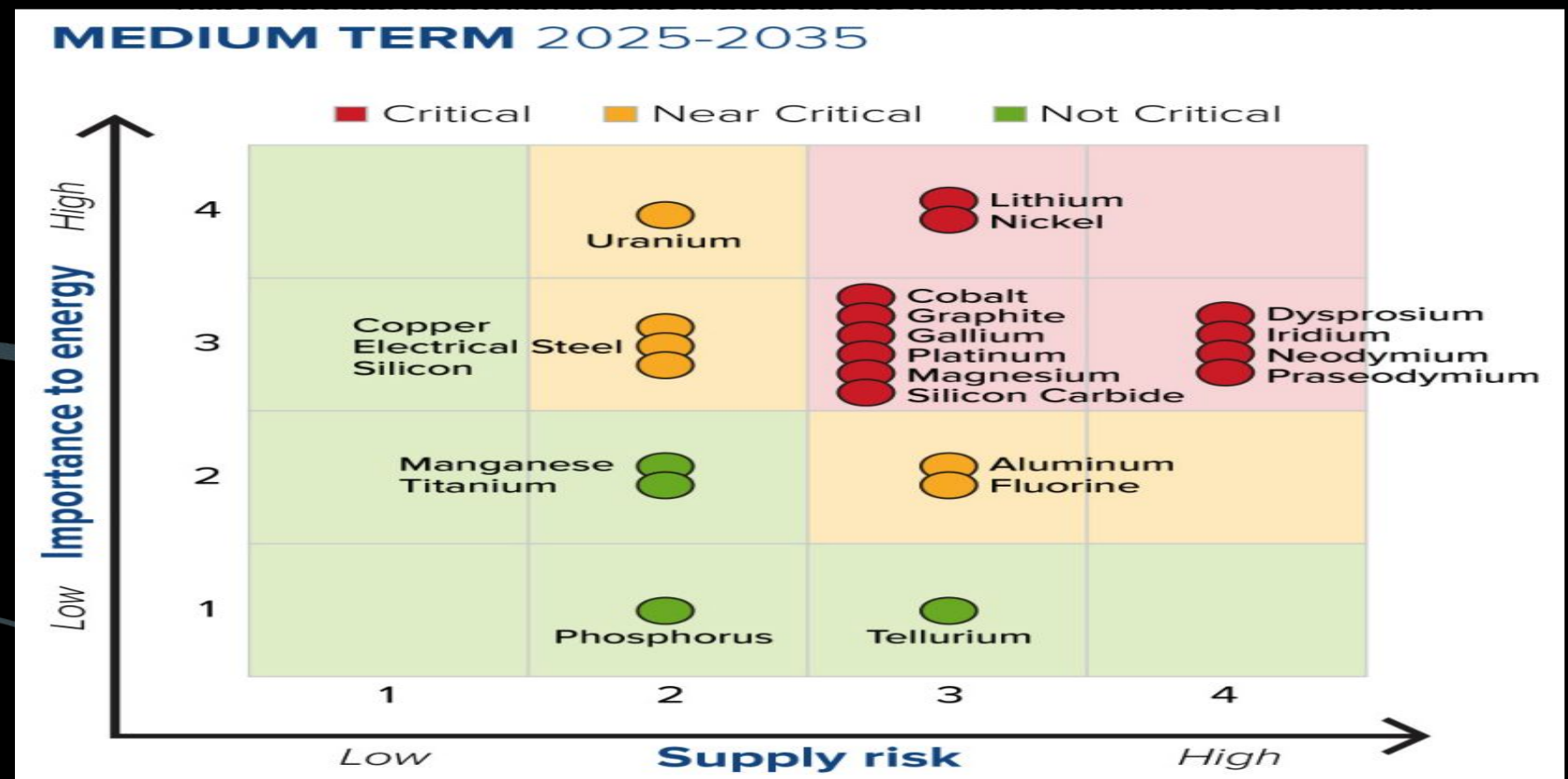
Enabling mobile operations on the
battlefield



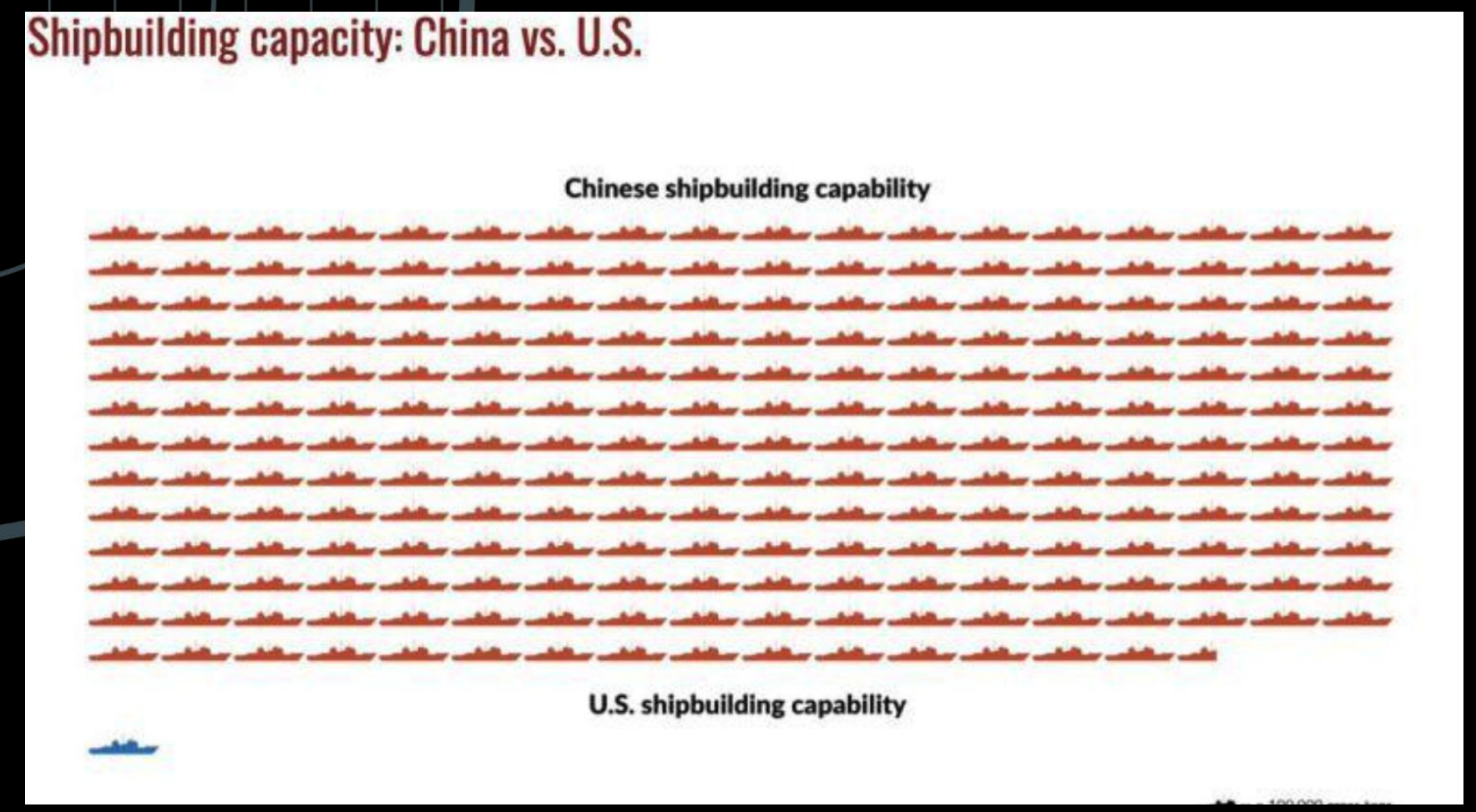
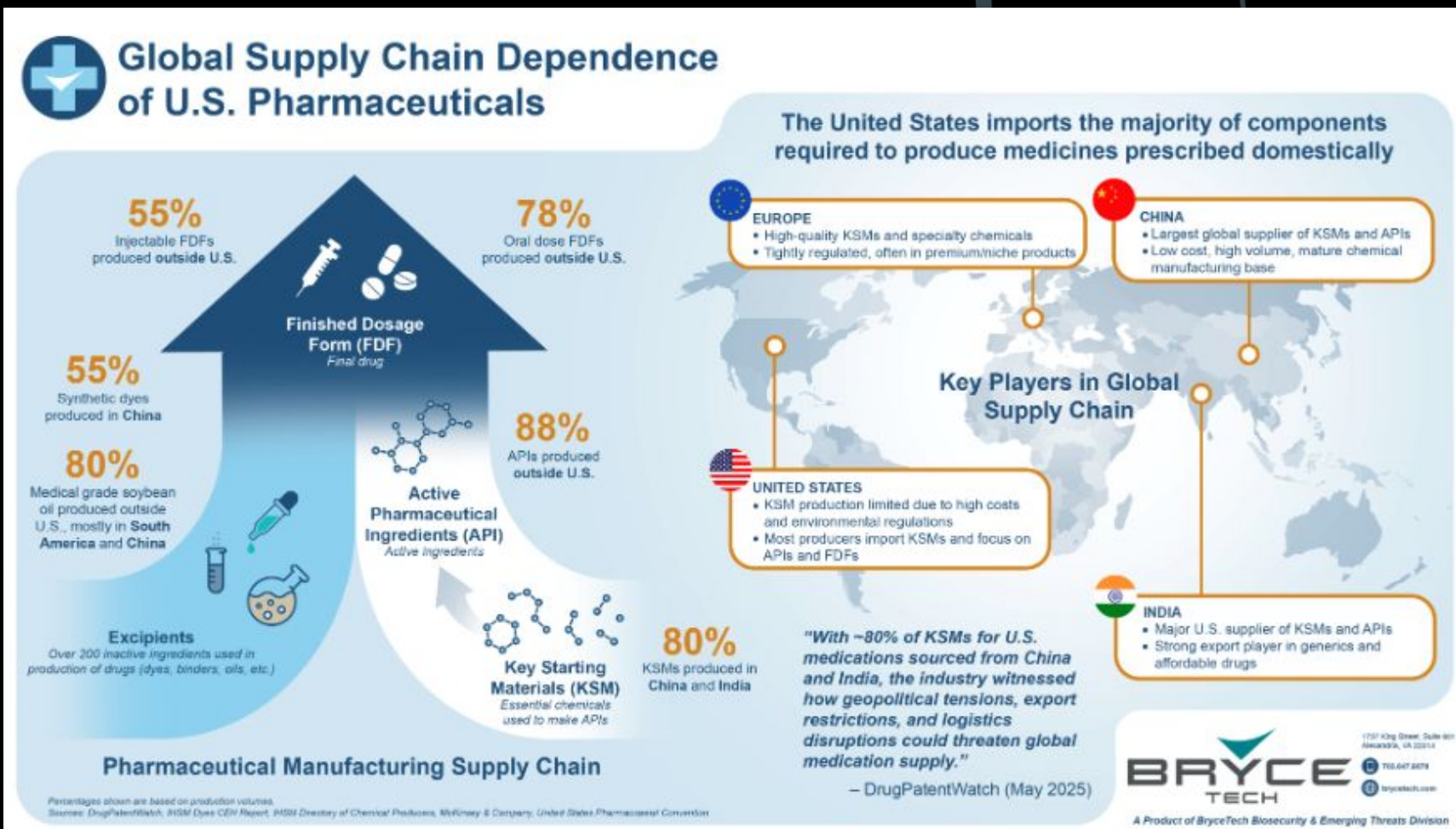
BESPIN¹

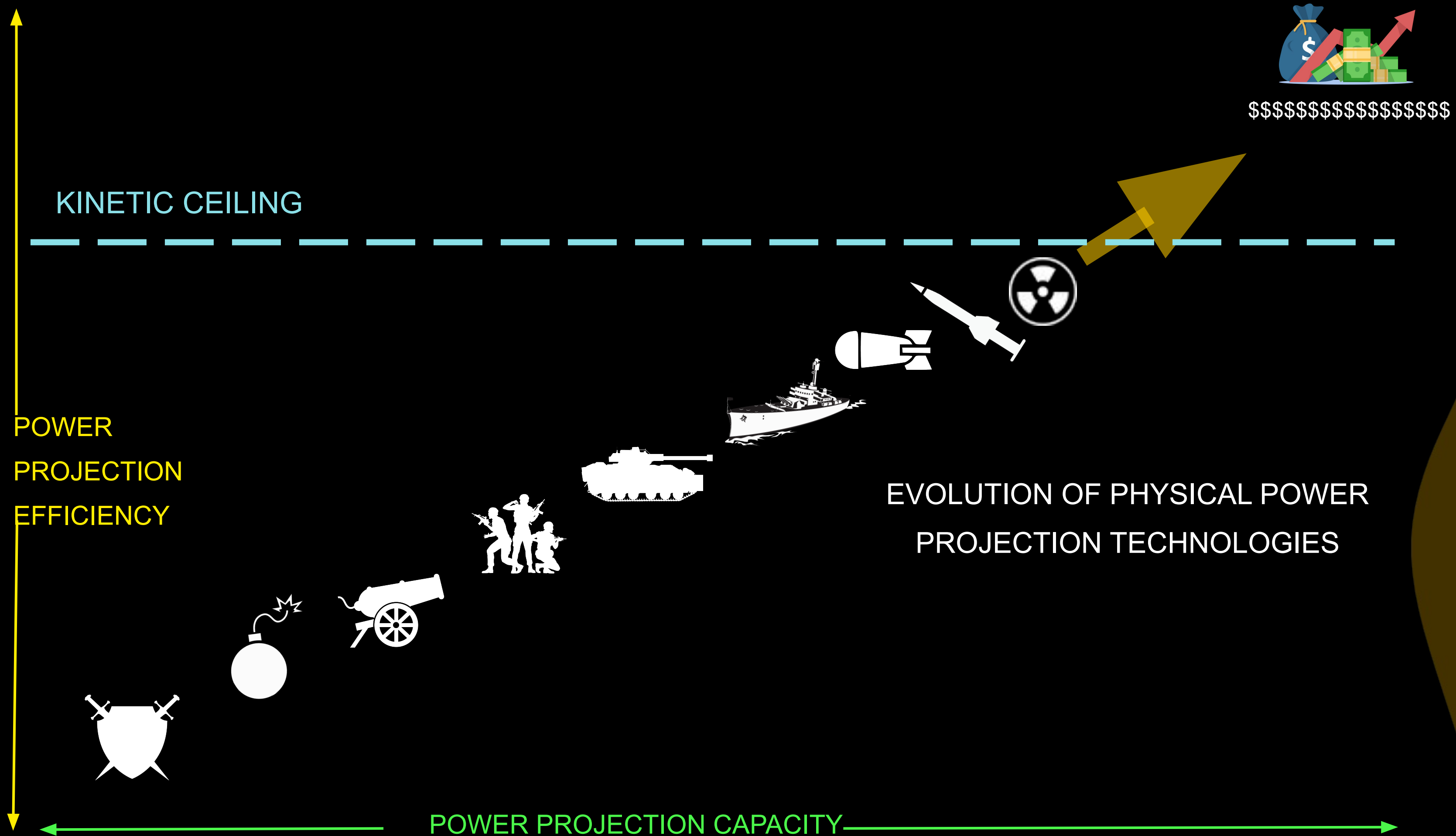


HOW WE SEE WARFARE

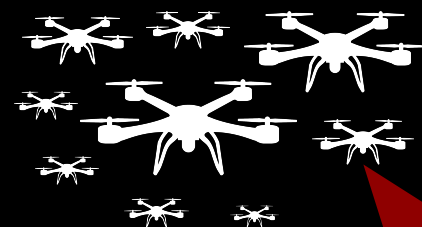


HOW THE CCP SEES WARFARE





A.I. KILLER DRONE SWARMS

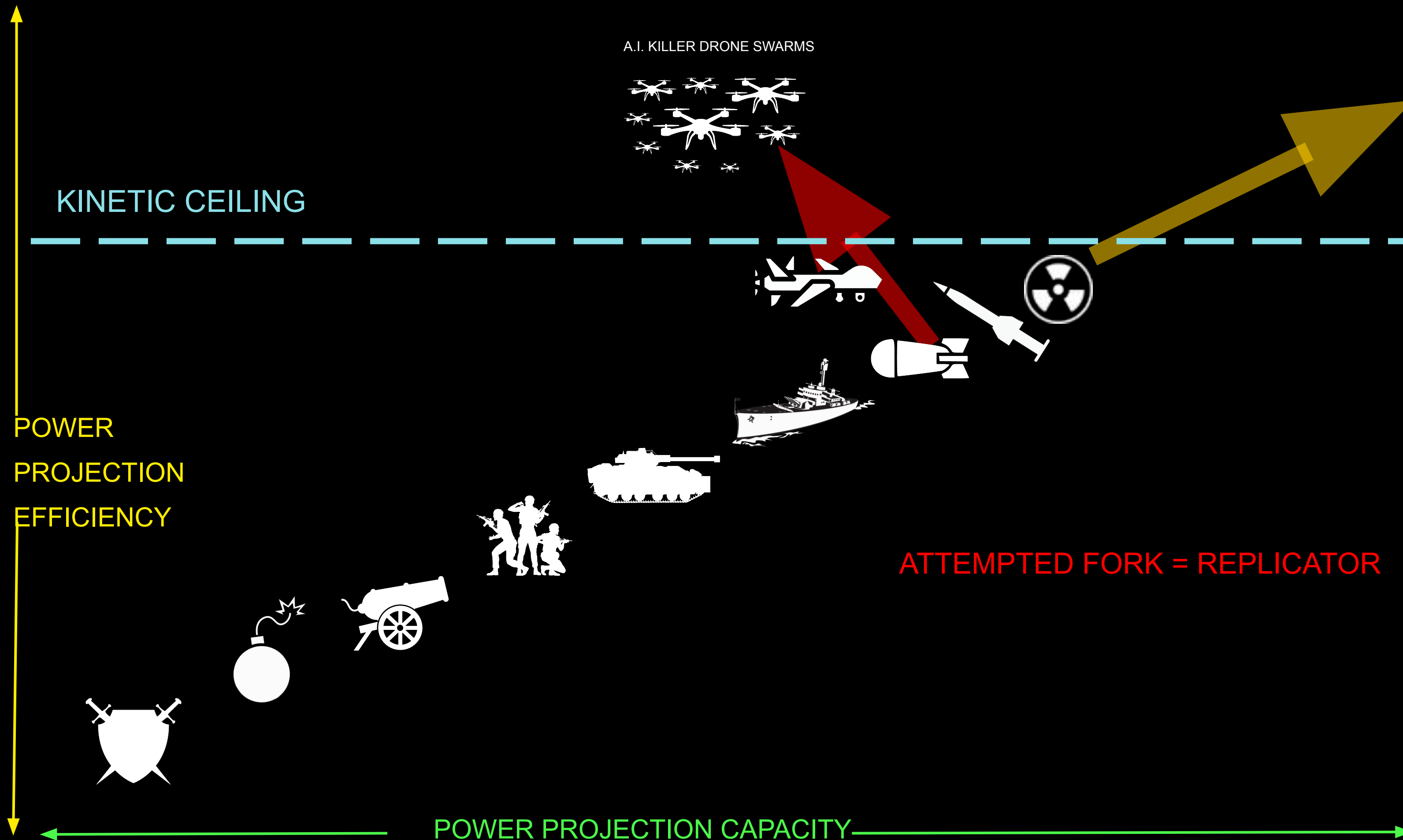


KINETIC CEILING

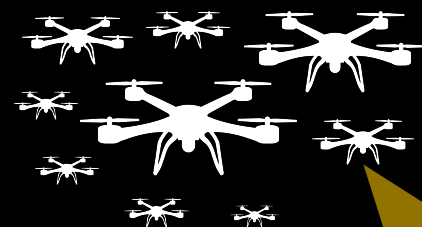
POWER
PROJECTION
EFFICIENCY

ATTEMPTED FORK = REPLICATOR

POWER PROJECTION CAPACITY



A.I. KILLER DRONE SWARMS



UNRESTRICTED
WARFARE



KINETIC CEILING

POWER
PROJECTION
EFFICIENCY

NON-KINETIC END STATE = WINNING
WITHOUT FIRING A SHOT

POWER PROJECTION CAPACITY

BATTLESPACE



NON-BATTLESPACE

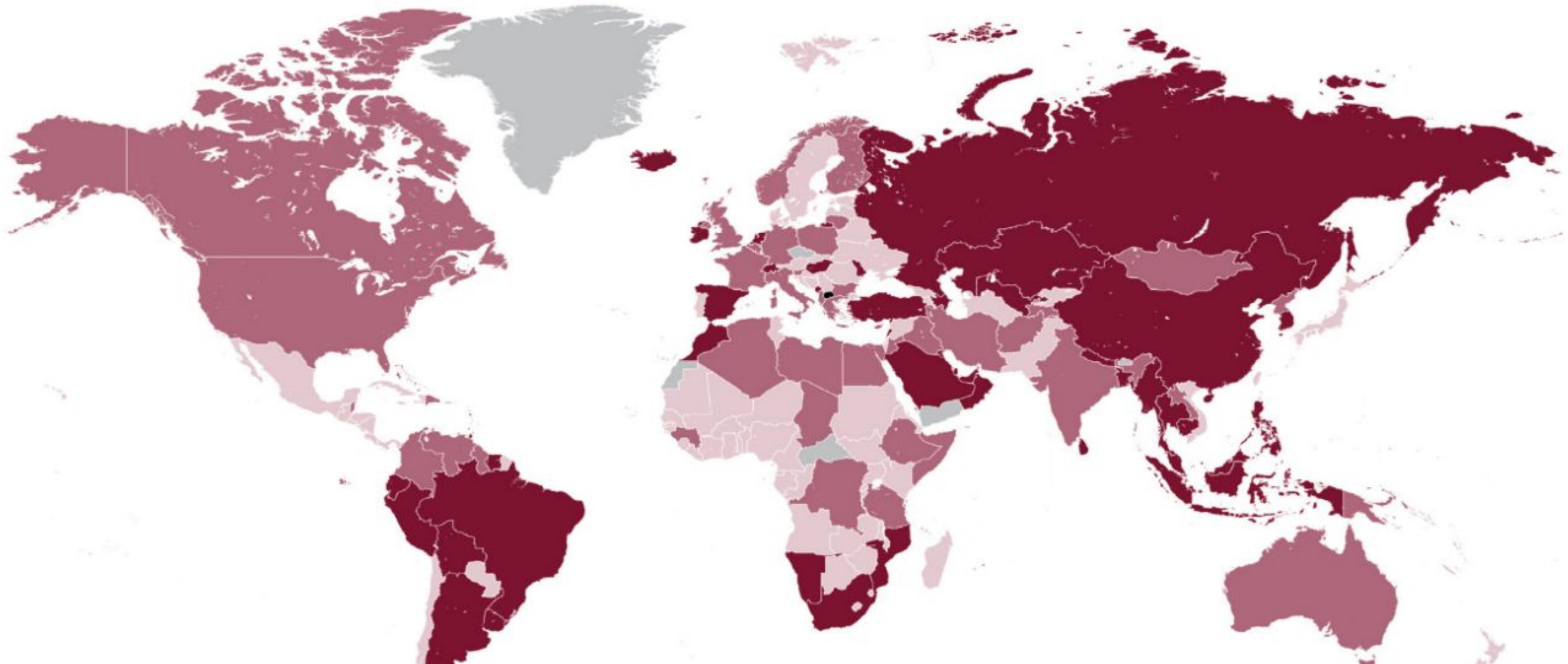


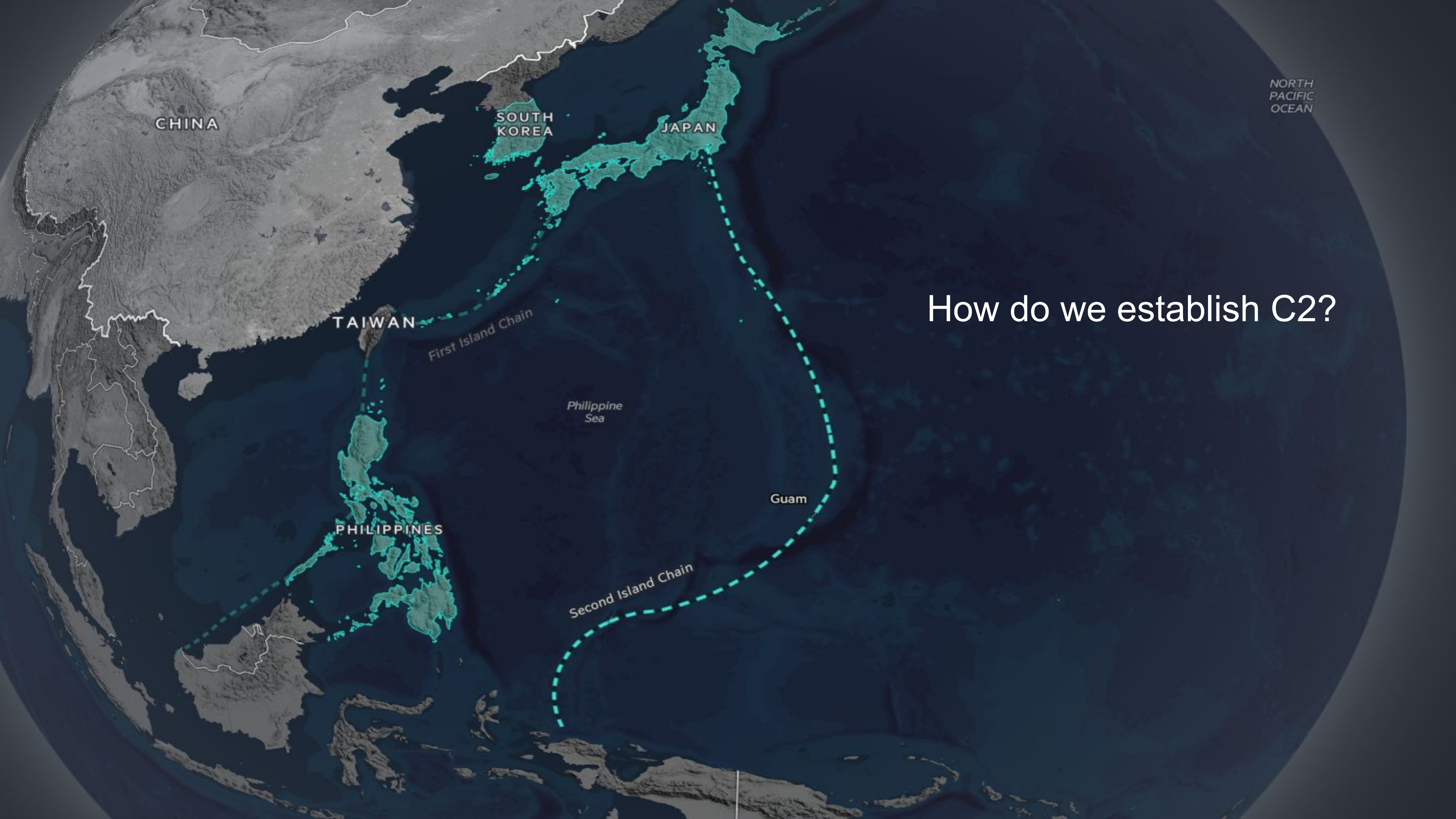
OMNI-DOMAIN



Huawei & ZTE Telecom Presence

PRC telecommunications companies Huawei and ZTE have expanded their reach across the globe.





How do we establish C2?

Traditional networks will not work in a contested environment

TRENDING: NAVY | CONGRESS | UKRAINE | RUSSIA | CHINA | AIR FORCE | SPACE



U.S. Air Force Capt. Theodore Bertsch makes radio communications inside the Joint Terminal Attack Controller battlefield dome simulator on Einsiedlerhof Air Station, Germany, June 23, 2021. CAPT. DANIEL DE LA FE

POLICY

'It Failed Miserably': After Wargaming Loss, Joint Chiefs Are Overhauling How the US Military Will Fight

In a fake battle for Taiwan, U.S. forces lost network access almost immediately. Hyten has issued four directives to help change that.

Rethink how we leverage mobile

Current State

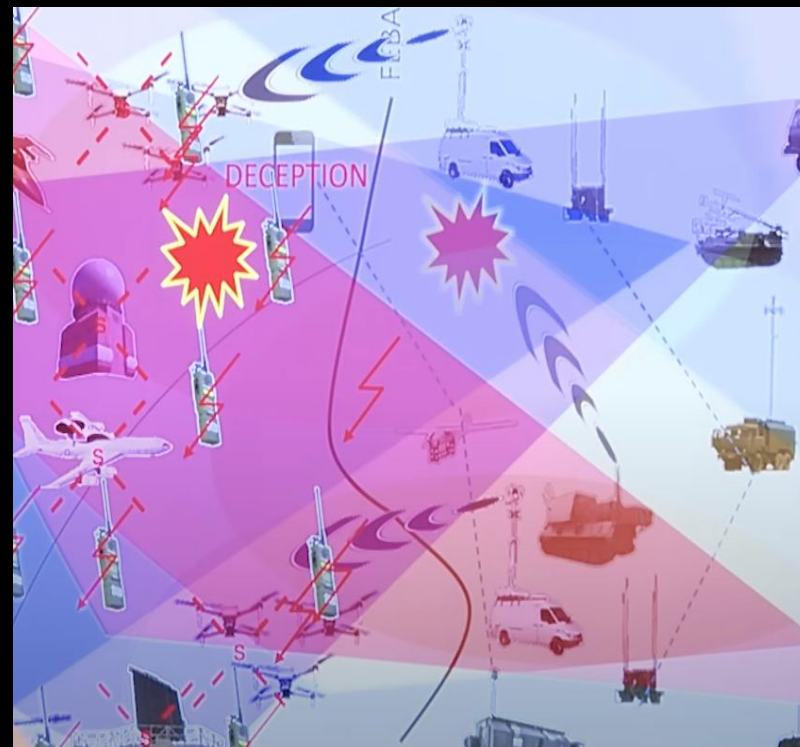
Costly

An estimated 70% of these radios are at End of Life and need to be replaced.

Cost to replace radio fleet \$980M

Defense Logistics Agency

Limited access and placement



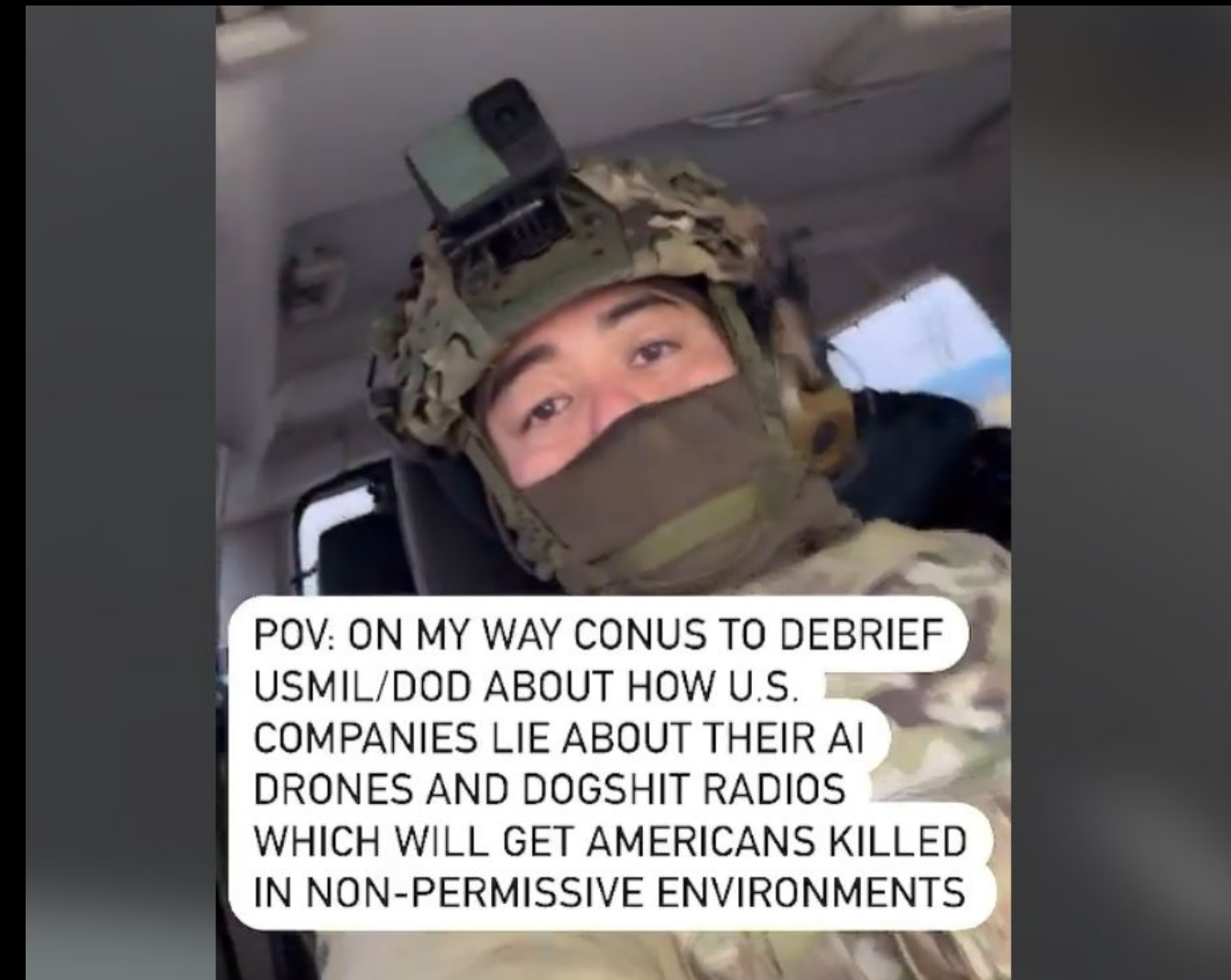
Requires us to bring transec with us

Heavy



Weight around 3lbs per radio

Vulnerable



Source:

https://www.linkedin.com/posts/insamir_still-love-when-you-see-success-everything-activity-7197018150637359104-_ba6?utm_source=share&utm_medium=member_desktop

Rethink how we leverage mobile

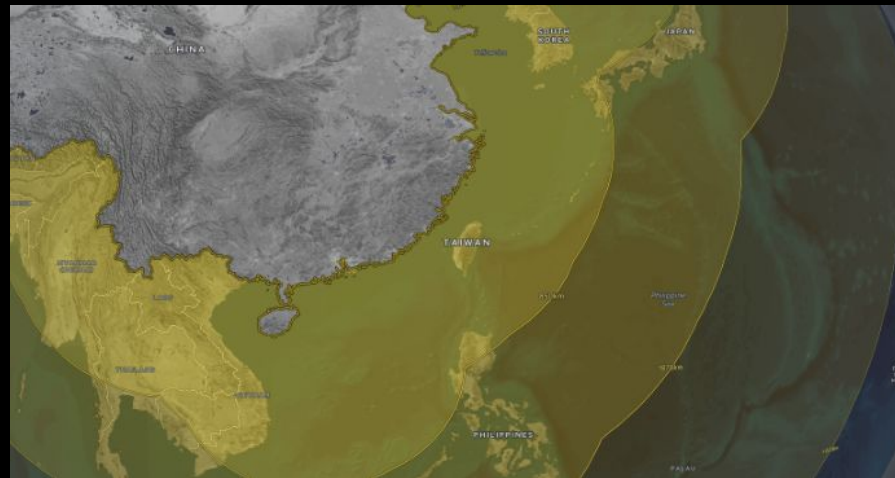
Future State

**Strategic
Investment**

**Partner with FirstNet
and allies to
pre-deploy resilient
5G infrastructure**

**Degrades the CCPs
5G Market Cap**

**Proactive access
& placement**



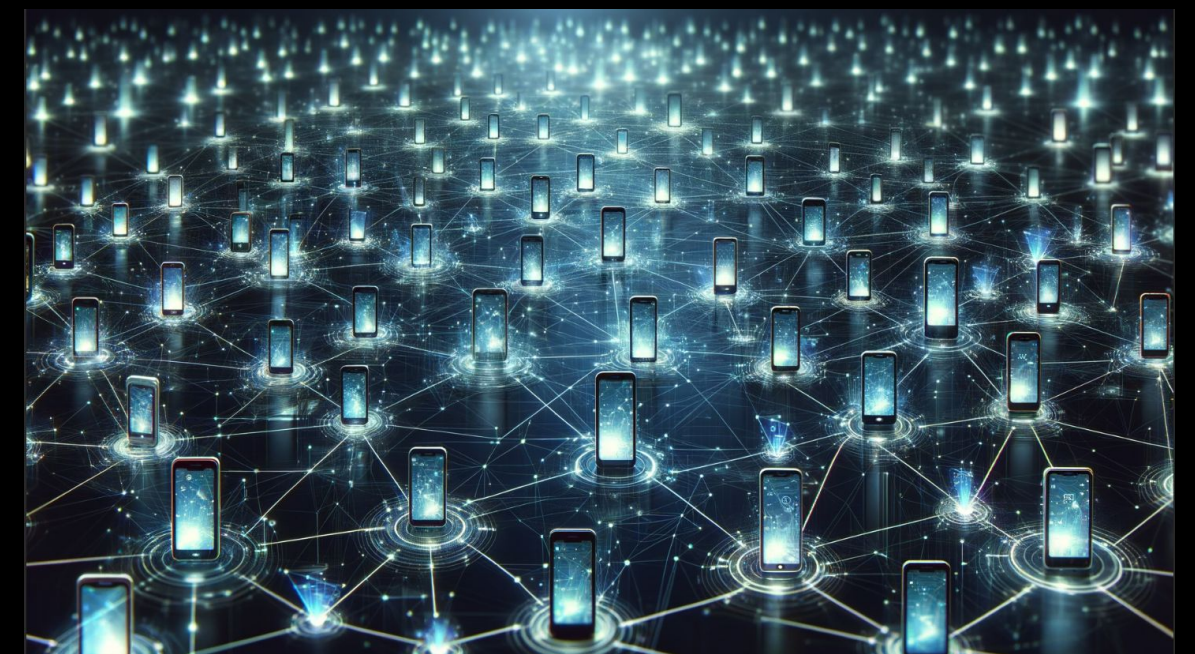
**Trusted commercial
5G mitigates the
A2/AD comms problem
inside
the First Island Chain**

Lightweight



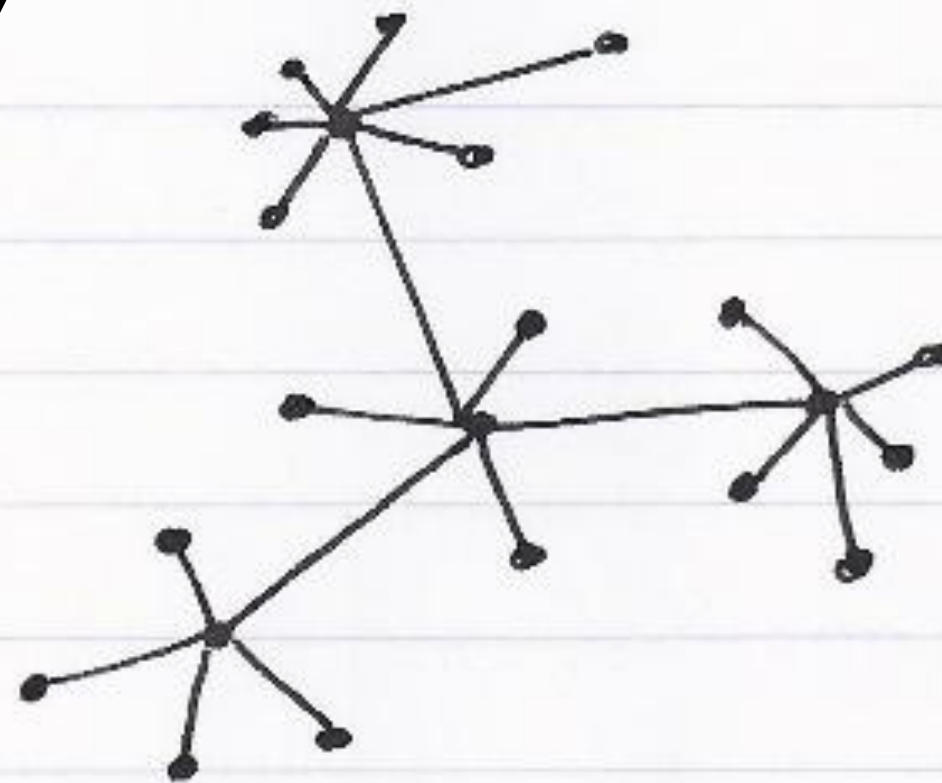
**Weight around 8
ounces per device**

Hay in the haystack

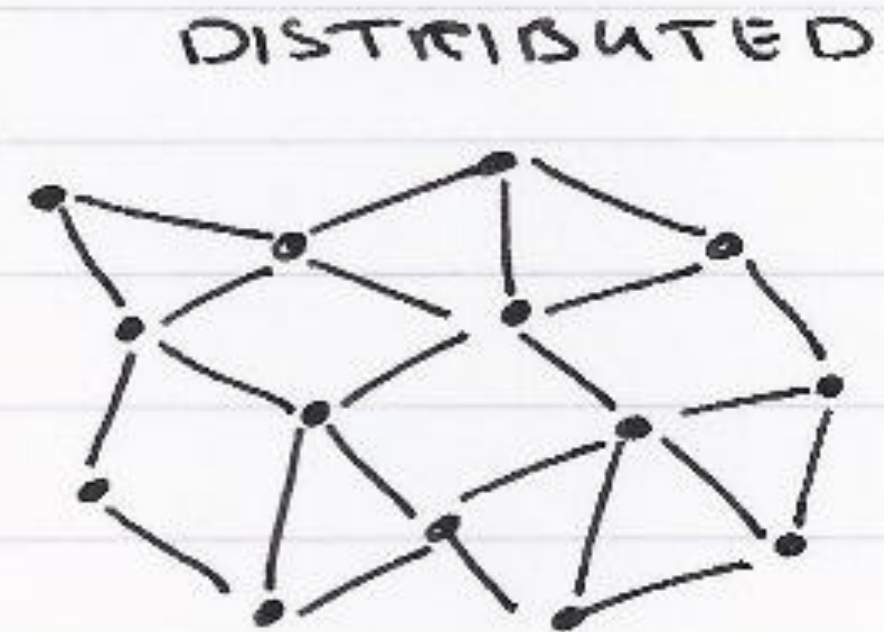


**5G phones at lower power than
MANET radios, making them
much harder for adversaries to
detect on the battlefield.**

SHIFT TO DISTRIBUTED



DECENTRALIZED



LEAST VULNERABLE
TO ATTACK.

Mobile as a Weapon System

MOSS CAPABILITY AREAS



Device Layer

LPI/LPD Mobile Devices

Geolocation Obfuscation

eSIM, IMEI, and AdID Rotation

Enhanced Mobile Device Management

Transec Layer

Private 5G Networks

Managed Attribution

Mission Network Integration

Long-Range Backhaul Integration

Mesh Network Integration

Data, Tactical Edge, AI/ML Layers

Data Movement off devices

Data Translation and Synchronization

Secure large scale data movement off devices into classified networks

Inherent phone functions (sat phone, infrared)

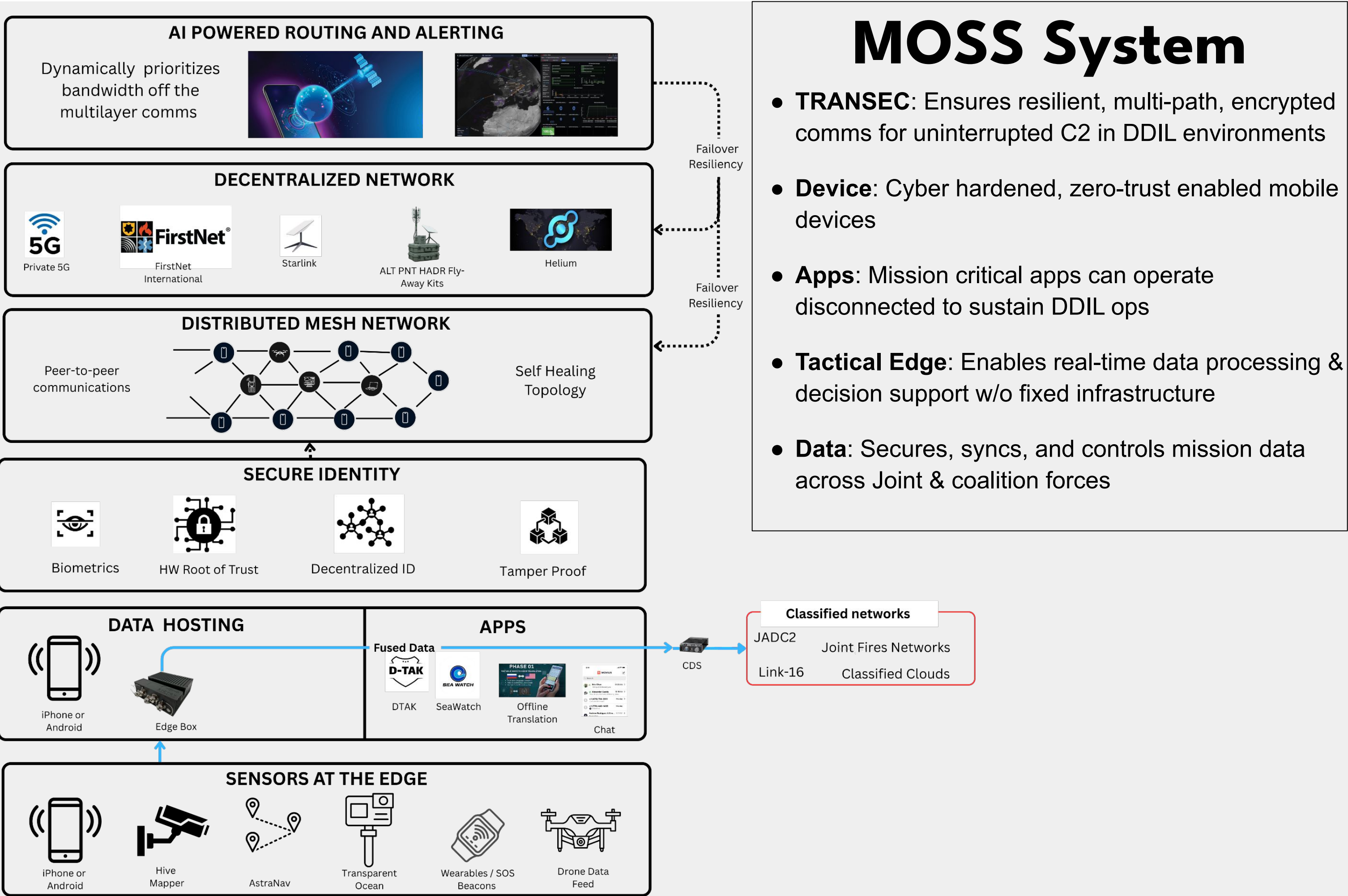
User Authentication and Accreditation

Rapid Production Enablement

USAF's only established mobile cATO pipeline

Pre-Accredited libraries, tools, and APIs

Secure software development kit



Mobile Operations Support Suite

DEMO

MOBILE OPS SUPPORT SUITE



MOSS



Mobile Operations Support Suite

MOSS CONSTRIUM OT

MOBILE OPS SUPPORT SUITE 

LMOSS

