

Technology, Artificial Intelligence,

the Military and War





Cell towers everywhere

harming all living beings

Ever wonder why **cell towers are cropping up all over at an alarming rate** and why elected reps are so keen to approve them?

- There are currently approximately **60 federal bills** in the US, and the EU's **Gigabit Infrastructure Act (GIA)** that **went into effect in May 2024**.
- Mega constellations of satellites are being launched into orbit with some countries boasting upwards of 40,000.
- The **ocean is being outfitted** with sensors, robots, unmanned underwater vehicles (UUVs), weapons, submarines, etc.
- Nearly every “thing” on land, in the sea, and in the sky is being digitalized as industry and governments recklessly hurtle us from **5G to 6G, FutureG,** and beyond.

If you thought it was to improve our quality of life, well, think again. We're but a sidekick and bait being used to perpetuate the economic growth machine and make the rich richer. But perhaps the most fundamental reason of all, is to **serve Electronic, Cyber, and Cognitive Warfare**.



Emerging technologies

changing the character of warfare

*“...rapidly advancing technology is causing the **most significant fundamental change in the character of war ever recorded in history.**”* — Joint Chiefs of Staff Mark Milley, June 2023

*“**5G is a critical strategic technology:** those nations that master advanced communications technologies and ubiquitous connectivity will have a long-term economic and military advantage.”* — US Department of Defense, May 2020

*“Tomorrow’s warfighters will use local and expeditionary **5G networks** to move massive amounts of data to **connect distant sensors and weapons into a dense, resilient battlefield network.**”* — US Department of Defense, November 2020

The 1967 Space Treaty [[Treaty on Principles Governing the Activities of States in the Exploration and Use of Outer Space, including the Moon and Other Celestial Bodies \(General Assembly resolution 2222 \(XXI\), annex\)](#)] prohibits nuclear weapons in space although it says nothing about other weapons. The rapid advancement of technology and Artificial Intelligence (AI) is at the root of an arms race in space.



Artificial intelligence

enabling a “new war-fighting regime”

“First there was gunpowder. Then nuclear weapons. Next: artificially intelligent weapons.” — Kai-Fu Lee, CEO of Sinovation Ventures, formerly president of Google China and senior executive at Microsoft, SGI, Apple

21st century war necessitates more than just infrastructure and data: It needs algorithms combined with data-analytics technology to sift through and make sense of the massive amount of data harvested from every “thing,” event, locality, and person — and yes, that includes you and me — for **data is the currency of war.**

“Rapid advances in unmanned systems, robotics, data processing, autonomy, networking, and other enabling technologies have the potential to spur an entirely new war-fighting regime.” — Center for a New American Security (CNAS)

New AI platforms can integrate data from many disparate sources such as satellites, underwater vehicles, sensors, robots, cellphones, weapons, smart cities, and the IoT. Open-source intelligence allows for more agile Surveillance, Reconnaissance, and Intelligence — as well as coordination and decision-making in multiple domains simultaneously.

Interoperability of all domains

The US Department of Defense has launched the [Joint All-Domain Command and Control \(JADC2\)](#) to **interconnect incoming data and intelligence from all branches of the armed forces into one unified kill network powered by AI**. NATO has the same initiative dubbed [Multi-Domain Operations-enabled Alliance](#), and China's command and control translates as [Multi-Domain Precision Warfare](#).

While the US continues upping the ante to maintain military advantage on the world stage, **China and Russia are mirroring the US to “maintain parity.”**

Here are some **AI and emerging tech applications** in the military:

- Jam, blow-up, or remove satellites from orbit and/or defend against the same.
- Launch or defend against a cyber-attack on critical infrastructure.
- Maneuver hypersonic “kill vehicles.”
- Communicate and control drones and swarm drones in the air and underwater.
- Launch an [EMP attack](#) downing a country's entire electrical grid.
- Detect, track, and control nuclear armed submarines.

Upping the ante of war

- Influence how people think and act, aka [Cognitive Warfare](#), the [21st Century Game-Changer](#).
- Detect and track the development or launch of a nuclear weapon on land and/or in space.
- Determine tactical moves on the battlefield.
- Make use of photonic and quantum radar (China and Russia thus far).
- Assist with refueling and maintenance in space.
- Identify weaknesses in an “adversary.”
- Simulate models for training.
- Develop, disperse, and detect bioweapons.

“...the power of advanced algorithmic warfare systems is now so great that it equates to having tactical nuclear weapons against an adversary with only conventional ones.”

— Alex Karp, Palantir CEO; [@PalantirTech on X, Dec. 2022](#)

“Virtual war is not a war between soldiers, tanks or airplanes, but a clash between algorithms.” — [Time, July 2023](#)

A white dove is shown in flight, its wings spread wide, as it descends towards a human hand held palm up. The background is a warm, golden-orange glow, suggesting a sunset or sunrise. The dove's feet are visible, and it appears to be carrying something small. The overall image conveys a sense of hope and peace.

Resources

calling the world to peace

The addition of AI to either virtual or kinetic warfare, coupled with escalating nuclear arsenals and a civilization on the cusp of WWII, is a sure-fire road to Armageddon.

We are a clever species but have lost our way. We've forsaken Life in pursuit of monetary gain, perpetual growth, dominance, and war. Consider adding the **role of tech and AI in war** to your outreach.

For more info about peace:

- Global Network Against Weapons and Nuclear Power in Space – space4peace.org
- World Beyond War – worldbeyondwar.org

For more info about tech and AI:

- Safe Tech International – safetechinternational.org
- Europeans for Safe Connections – esc-info.eu/en/
- CHD Community Empowerment Consulting – stop5g.org
- The National Call – thenationalcall.org
- Environmental Health Trust – ehtrust.org

Credits: design/production/editing: *eyemind concepts*; photos: *iStock, Pixabay*

Safe Tech International; October 2024