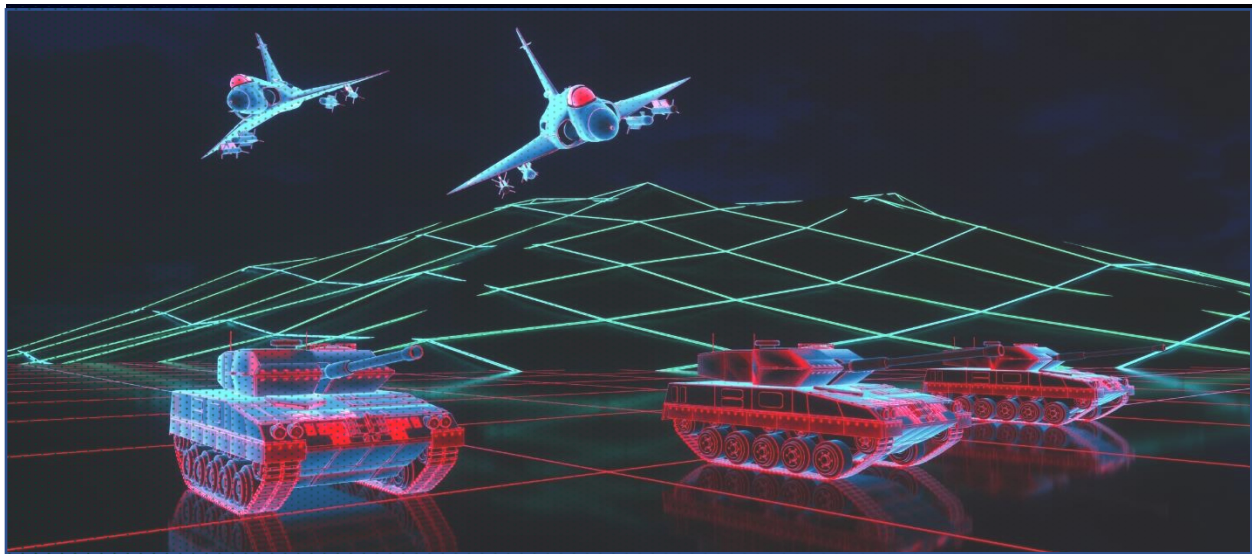




Enhancing Security and Visibility for 5G/LTE Battlefield Connectivity



Modern military operations now span land, sea, air, space, and cyberspace. Mission success across these dynamic domains hinges on persistent and resilient connectivity with the range, performance, and security to support today's advanced battlefield technologies – even under the most demanding conditions.

While traditional radio, landline, and satellite communications systems will continue to play an important role in military operations, their effectiveness for many types of missions is limited by factors like bandwidth constraints, latency, impacts from geographic terrain, and vulnerability to disruptions by adversaries.

As a result, many leading-edge military agencies are now accelerating efforts to adopt private 5G network technologies that provide the range, flexibility, speed, and bandwidth necessary to support modern command and control and operations needs. 5G networks have the power and flexibility to bring personal communications devices, sensors, weapons, vehicles, and more into a single, cohesive connectivity model that is capable of harnessing advanced artificial intelligence, virtual reality/augmented reality capabilities, and other innovations that require persistent, high-performance connectivity.



Public and Private Sector Collaboration is Driving 5G Innovation

Timely and effective use of 5G for emerging defense applications requires collaborative innovation by defense agencies, strategic technology partners, and mobile network operators.

Leading defense sector vendor solutions have emerged as a leading framework for bringing existing tactical networks and new 5G innovations from the private sector together into one cohesive network that spans all domains – air, sea, space, and cyber. It combines proven defense expertise with advanced 5G capabilities from technology leaders like Intel and Microsoft, leading mobile network operators like AT&T and Verizon, and 5G security innovators like OneLayer.

OneLayer Provides Critical Security and Operational Visibility for 5G/LTE Battlefield Connectivity Networks

OneLayer plays a pivotal role in 5G/LTE Battlefield Connectivity Networks implementations by enabling granular visibility into 5G defense networks. OneLayer acts as a bridge between existing defense networks and 5G network deployments, providing high-fidelity analytical data such as:

- 5G device discovery, fingerprinting, and risk assessment information.
- Precise asset geolocation and tracking data.

This gives 5G/LTE Battlefield Connectivity Networks solutions the critical visibility necessary to:

- Give command and control personnel a live map of all 5G-connected devices with precise geolocation details.
- Provide defense agencies with rich analytics to support mission-specific applications.
- Extend security monitoring capabilities and policy controls to 5G networks.
- Ensure that 5G-enabled capabilities are operational and free of performance issues.
- Optimize 5G network replacement part supply chain investments and logistics.

OneLayer's differentiated capabilities and highly collaborative team of 5G security and visibility experts will maximize the value and effectiveness of all 5G/LTE Battlefield Connectivity Networks implementations globally.

Interested in Learning More?

Visit onelayer.com to schedule a personalized demo, or write to us at contact@onelayer.com