The path to 5G

Enhance ground combat training with **Augmented Reality/Virtual Reality and weapons testing is**

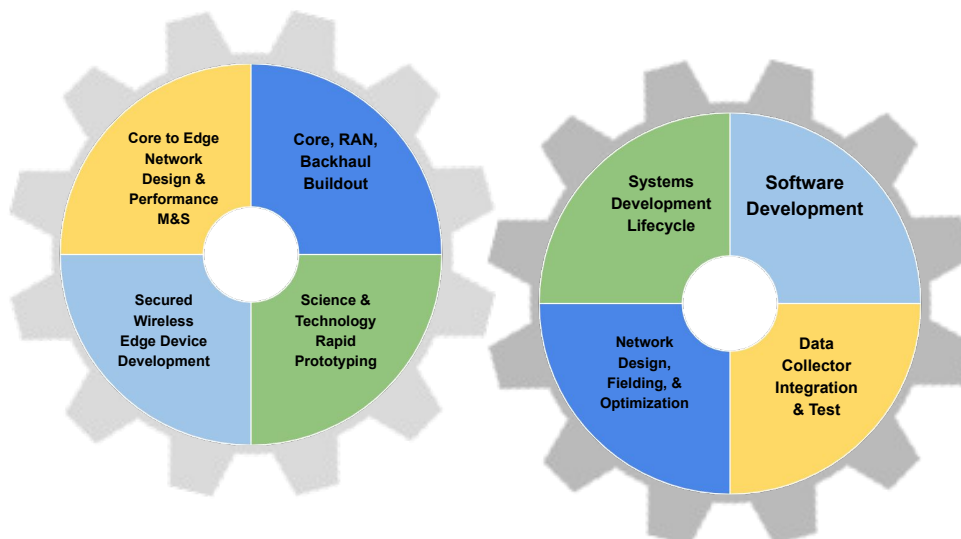# ATHENA-TEK

Battlefield Ready!

DIFFERENTIATORS

Athena-Tek has supported Warfighter Training and Testing for 12 years.

- **We understand 5G and Next G:**
    - Athena-Tek supports the Army's existing 5G force-on-force testbed efforts at Fort Hood (STAAR). Our devices support SA and NSA architectures
    - Athena-Tek supports DoD's Next G developmental effort to enhance ground combat training with Augmented Reality/Virtual Reality with Mobile Edge Computing and Network Slicing.
- **Athena-Tek accompanies our warfighters by systems engineering solutions.**
    - Model and Simulate warfighter requirements.
    - Design Core, Ran, Edge, Distribution network subsystems
    - Integrate network designs and edge devices to create solutions for Warfighter Live, Virtual, Constructive Test/Training environments.

- **Athena-Tek develops edge devices/Player Unit radios to connect wired or wirelessly to sensor systems:** Serial, Ethernet, USBC, Wi-Fi, BTLE, ZigBee

Athena-Tek has designed, built, and operated reliable telecommunication networks for a global cadre of customers in the government, energy, and banking sectors. Satellite, fiber, and wireless networks are at the core of the integrated solutions we offer our customers.

Athena-Tek has been a trusted partner by the top 5 US DoD contractors.

CORE COMPETENCIES

4G/5G NETWORK SOLUTIONS
SYSTEMS INTEGRATION
5G Player Unit Radio Design & Development
Electronic Warfare

PAST PERFORMANCE

Athena-Tek currently supports enhanced ground combat training with 5G-enabled Augmented Reality/Virtual Reality as a part of DoD's Tranche 1 5G+ initiatives.

Athena-Tek developed and fielded ARES II 5G Player Unit Radio to support PEO STRI's Agile Acquisition Response (STAAR) Program/STE LTS.

Athena-Tek supports the design, integration, development, and fielding of the Live, Virtual, Constructive, Test Environment (ILTE) capabilities for Operational Testing at Fort Hood.

Athena-Tek developed 5G ARES II to support: I-MILES force-on-force training, enhanced data collection for Operational Testing, and IVAS' surrogate, HoloLens, for AR/VR enabled training.

Athena-Tek has Modeled and Simulated 5G/4G network designs for Home stations, and CTCs,

Athena-Tek developed 5G ARES to roam to Iridium in the absence of cellular connectivity.

Athena-Tek simulate 5G Electronic Warfare using 5G ARES and open-source private network RAN/CORE components.

Athena-Tek has supported tactical network Tech-Refresh and characterization at JMRC.

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