NORSEMAN
DEFENSE TECHNOLOGIES

Connected Battlefield Training Environments

Training environments that replicate battlefield conditions are becoming increasingly digitized, incorporating real-time feedback, immersive simulations, and AI-based assessments. 5G at the edge supports these capabilities by providing the bandwidth, speed, and localized compute necessary for realistic and adaptive training.

Key Benefits

> **Immersive Training Experiences:** Supports augmented reality (AR) and virtual reality (VR) simulations for scenario-based training.

> **Live Feedback and Performance Metrics:** Enables real-time assessment of soldier performance, tactics, and communication.

> **Scalable & Portable:** Training setups can be deployed at bases, forward locations, or temporary training sites.

> **Enhanced Tactical Realism:** Supports synchronized live-fire and virtual exercise integration.

> **Post-Mission Review and Playback:** Captures and stores training data for debriefing and analysis.

> **Safer Training Environments:** Real-time biometric tracking prevents overexertion and health risks.

Intro to Edge Computing

In today's fast-evolving landscape, the need for real-time data processing and actionable insights at the edge has become a critical priority for mission-critical operations. Odin's Edge, powered by Norseman Defense Technologies, is designed to address these demands by delivering scalable, high-performance computing solutions in ruggedized, portable environments. This solution brings unparalleled flexibility, enabling data-driven decisions at the tactical edge while ensuring robust security and seamless scalability.

Core Capabilities:

> **Low-Latency Connectivity:** Ensures seamless interaction with AR/VR systems and high-fidelity simulations.

> **Edge AI for Real-Time Evaluation:** Processes data on-site for immediate feedback and corrective instruction.

> **Integration with Wearables and Sensors:** Monitors motion, heart rate, and reaction times during drills.

> **Federated Training Networks:** Connects multiple training locations or units for joint exercises.

> **High-Resolution Video Capture:** Records exercises for playback, scoring, and instructor commentary.

> **Modular Deployment Kits:** Easily transportable 5G edge systems for setup in austere or temporary environments.