

Introducing Edgeworks

T1 Edgeworks is TurbineOne's new 7,700 ft² mission innovation facility in Chantilly, Virginia. The first-of-its-kind space provides a hands-on environment where operational problems can be translated into deployable edge AI capabilities for contested, disconnected, real-world conditions.

Why It Matters

Modern conflict is evolving faster than traditional development cycles can keep up. Operators, buyers, and policymakers can now experience how technology performs under pressure, in realistic environments – with humans in the loop. **Edgeworks makes that possible.**



Advancing Frontline AI Innovation and Testing in Chantilly, VA

What Edgeworks Provides

A Centralized National Security Hub

Edgeworks serves as a collaborative center for defense, government, and industry partners to accelerate innovation from critical technology gaps to mission capabilities.

Edge AI for Real-Time Decision Making

Warfighters can build, adapt, and deploy AI models directly on edge devices and sensors, without reliance on cloud infrastructure. This enables faster, more resilient decision-making in contested environments where cloud connectivity is limited, degraded, or denied.

Mission-Critical Capability Demonstrations

Designed for customers, defense stakeholders, and partners to experience immersive, hands-on environments that show exactly how edge AI performs under realistic operational constraints – far beyond trade show demos.

Rapid Capability Development & Training

On-site engineering and training lab for fast integration, experimentation, and operator training prior to deployment.

Drone, Autonomy, & cUAS Innovation

Supports large-scale targeting, autonomous command and control, drone swarm operations, counter-drone testing, and immersive training in realistic conditions.

Strategic Location Advantage

Located in **Chantilly, VA** near:

- The Pentagon
- Dulles International Airport
- Intelligence community agencies
- Key defense and testing corridors

Virginia as a Strategic Tech & Defense Ecosystem

The Commonwealth of Virginia and Fairfax County enables growth, talent, and innovation in national security technology.

FROM THE EDGE

"TurbineOne invested in Edgeworks to make AI more trustworthy and useful for national security. By building a physical, welcoming, and immersive laboratory, we can better demonstrate and learn how AI tools can deliver real-world impacts to America's battlefields."

— Ian Kalin, CEO of TurbineOne

The Real Impact

T1 Edgeworks bridges the gap between innovation and operational reality – giving decision-makers confidence that AI systems will perform in the moments that matter most.

About TurbineOne

TurbineOne delivers AI built for the frontlines. Its Frontline Perception System (FPS) provides real-time decision-making support to defense and national security operators worldwide. Deployed in contested and connectivity-limited environments, TurbineOne enables mission-ready software that accelerates operational insight.