TEKNIAM.INC
Internet. Anywhere.

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CAPABILITY STATEMENT

Rapidly Deployable Broadband for Tactical, Emergency and Rural Environments

UEI	CAGE	Business type	FEMA AEL
YQ34JN94YV89	17FH0	Small business, U.S.-owned	04HW-03-NETD

Company Overview

Tekniam, Inc. is a Kansas-based engineering company that designs, builds and integrates portable broadband communication systems for the hardest places to connect. Our Remote Universal Communication System (RUCS) delivers rapidly deployable mesh networks that run without damaged or absent infrastructure, for the military, first responders, humanitarian missions and rural communities.

RUCS is hand-carried, low power and open to standard sensors, drones, command and control systems and radios. It has been used in military exercises, disaster response and humanitarian missions.

Core Competencies

- **RUCS rapidly deployable mesh networks.** A Portable Communications Link (PCL) and Distribution Modules (DM) running the TekMESH operating system. Cellular, satellite (including LEO) or Ethernet backhaul. Up to 250 users per module across a 1,000+ ft radius. Hops of up to 5 km, chained across 10 to 15+ nodes.
- **Austere and expeditionary operations.** Networks for distributed sensing, live video and command and control in jungle, island, maritime and mountain terrain, with satellite and cellular failover.
- **Emergency communications.** Backup internet for 911 and VoIP, fire camps, shelters and recovery sites. Equipment can be owned or deployed by Tekniam's crew on a temporary basis.
- **Rural and last mile broadband.** Service for unserved and underserved communities at a fraction of the time and cost of fiber, with no trenching and no new towers.
- **Engineering services.** System and master planning, network design and architecture, infrastructure design, network operations and maintenance, and field integration.

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Technical Features

Feature	Capability
Deployment	About 3 minutes; hand-carried; starts at 5 lb
Mesh	Hops up to 5 km; 10 to 15+ nodes; up to 250 users per module
Backhaul	Cellular 4G/5G, satellite including LEO, Ethernet; interchangeable with failover
Architecture	U.S.-made single board computer with custom OpenWrt; ATAK and PLI ready; any standard IP device attaches
Ruggedness	IP67; 140 km/h wind survival; 5,000 A surge tolerant (IEC 61000-4-5)
Power	48 V DC over PoE; runs from a vehicle battery, wall power, power pack or solar
Management	TekMESH cloud monitoring and control
Warranty	One year standard; extended warranties available

Past Performance

- **U.S. Marine Corps, Balikatan 2026 and Kamandag 9.** Participated with the Marine Corps, moving sensor data, live video and maritime tracks from distributed sensors across islands to command nodes, with satellite and cellular failover.
- **Ocracoke Island, North Carolina.** Phase III network of 6 PCLs and 32 DMs providing backup emergency communications. Measured 86.1 Mbps down and 31.3 Mbps up, with 911 and VoIP across all sites. Funded by the State of North Carolina and Hyde County.
- **United Nations World Food Programme.** Emergency communications in remote and refugee settings.
- **Domestic emergency management.** Lahaina fire response, Pacific emergency management teams, California fire service demonstrations, and Grant County, Oregon, which acquired RUCS for emergencies and missing-person searches.

Why Tekniam

- **Speed.** Operational in about 3 minutes by non-technical users, where legacy systems need a truck, a trailer and a generator.
- **Small footprint.** Low power draw, little site preparation and a small logistics tail.
- **Independence.** A standalone network with interchangeable backhaul that keeps running when public infrastructure is down.
- **Open backbone.** Standard protocols accept new sensors, drones and radios without replacing the network.

NAICS Codes

334210, 334220, 334290, 517111, 517112, 517311, 517410, 517810, 517919, 5416, 561439 · SIC 4813

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