

# Introducing **COMET**: Comms **O**n the **M**ove, **E**mergency & **T**actical

Portable, vehicle-mounted, and aerial platforms that enable private LTE/5G, backhaul, and network resilience



# Rapid Deployable Connectivity

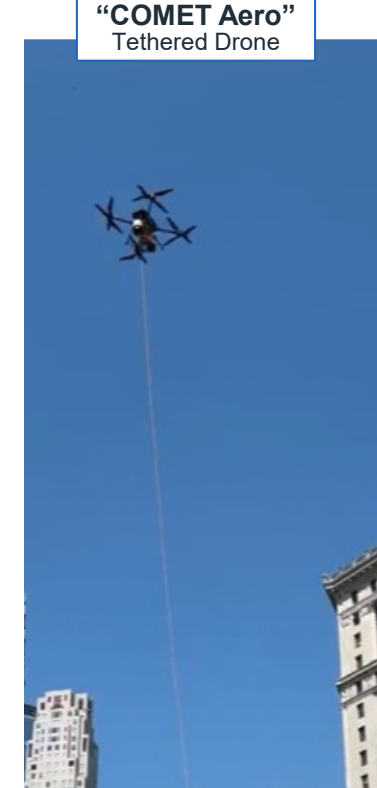
The COMET™ portfolio offers fast and flexible communication solutions, ready for deployment wherever and whenever you need them. They're ideal for a wide range of situations, including:

- Emergency and disaster response
- Search & rescue
- Border support
- Utility and critical infrastructure
- Broadcast & media production
- Industrial & remote worksites
- Events, venues, large gatherings
- Education & community connectivity
- Healthcare and medical response
- Smart City, IoT and more!

Instantly get wide area cellular and Wi-Fi coverage without the long wait for a traditional Cell on Wheels (COW) from a carrier. Our solutions keep you connected with both satellite and cellular backhaul. Best of all, they're compatible with your existing equipment, including cell phones, land mobile radios, and nationwide First Responder networks.



“COMET Flyer”  
Motorized Cart



“COMET Aero”  
Tethered Drone



“COMET COLT”  
Cell on Light Truck



“COMET Pulsar”  
Fly-away kit

PATENT PENDING



# “COMET Flyer”

## (Motorized Cart)

The COMET Flyer is a self-propelled, motorized cart designed to deliver rapidly deployable private cellular and Wi-Fi connectivity in environments requiring mobility and fast setup. It supports private LTE/5G coverage up to two miles using 3.5 GHz (Band 48) spectrum, with capacity for up to 256 concurrent users per sector and optional multi-sector antenna configurations. Integrated Wi-Fi extends coverage up to 500 feet and supports up to 256 users. The unit is powered by a 100 amp-hour lithium-ion battery with an onboard 1600-watt generator for extended operations and supports both GEO and LEO satellite backhaul as well as 4G and 5G cellular connectivity. Built for outdoor use, the COMET Flyer operates in temperatures ranging from -22°F to +140°F and measures approximately 60" x 22" x 48" with a total weight of 510 pounds. Upgrade options include higher-throughput Semtech cellular/Wi-Fi routers, optional 700 MHz femtocells, additional rack-mount battery capacity, sectorized antennas, and satellite terminals.



# COMET Pulsar\*

## (Fly-away Kit)

The COMET Pulsar is a portable fly-away connectivity kit engineered for fast deployment in temporary, remote, or emergency scenarios. The Pulsar provides private LTE/5G coverage up to one-quarter mile using 3.5 GHz (Band 48) spectrum and supports up to 128 concurrent users, and delivers Wi-Fi coverage up to 500 feet for up to 32 users. The system supports GEO or LEO satellite backhaul as well as 4G and 5G cellular connectivity and operates across a wide temperature range from -22°F to +140°F. The Pulsar supports both AC and DC power input and weighs approximately 34 pounds, making the unit hand-carry deployable. Optional enhancements include higher-capacity Semtech cellular and Wi-Fi routers, external high-gain omni antennas with mast options up to 12 feet, 700 MHz femtocells, and expanded private LTE coverage using external antennas. The COMET Pulsar is patent pending.



\*PATENT PENDING



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# “COMET Aero” (Tethered Drone)

The COMET Aero is a tethered aerial connectivity platform that provides elevated private cellular and Wi-Fi coverage for wide-area visibility and communications. Depending on frequency and configuration, the system delivers cellular coverage ranging from two to three miles, supporting up to 64 concurrent users per sector in standard configurations and up to 128 users per radio in private LTE/5G deployments using 3.5 GHz (Band 48) spectrum. The aerial platform is powered by onboard lithium-ion batteries, while the ground station provides continuous power via an AC/DC converter and supports GEO or LEO satellite backhaul as well as 4G and 5G cellular connectivity. The drone operates reliably in temperatures from –22°F to +140°F. The system connects to the ground control unit via a fiber tether capable of accepting either fiber or copper input. Upgrade options include high-throughput Semtech routers, an integrated 4G/5G core, outdoor Band 48 radios, and ground-based satellite terminals. The Aero is manufactured in the USA.



# “COMET COLT” (Cell On Light Truck)

The COMET COLT is a vehicle-mounted “Cell On Light Truck” solution designed for rapid, high-capacity connectivity in mobile and extended-duration deployments. It delivers private LTE/5G coverage up to two miles using 3.5 GHz (Band 48) spectrum and supports up to 256 concurrent users per sector, with optional multi-sector antenna configurations for expanded coverage. The system integrates Wi-Fi coverage up to 500 feet for up to 256 users and supports both GEO and LEO satellite backhaul, either vehicle-mounted or deployed on a tripod. Power is supplied through a hybrid system combining solar, generator, and lithium-ion battery sources, with generator capacity scalable up to 6.5 kW. Mounted on a four-wheel-drive truck platform, the COMET COLT operates in temperatures from -22°F to +140°F and weighs approximately 500 pounds, including the cabinet, mast, and network equipment. Optional upgrades include higher-capacity Semtech routers, 700 MHz femtocells, additional battery storage, sectorized antennas, and satellite terminals.

