RAPIDLY DEPLOYABLE CONNECTIVITY

COMET TETHERED DRONE PLATFORM

ELEVATED TEMPORARY CELLULAR CONNECTIVITY SOLUTION

An aerial cell tower, on demand.



Elevated coverage. Extended reach. Persistent connectivity.

When ground networks cannot provide the required footprint, COMET Tethered Drone Solution lifts cellular and wireless coverage above obstacles. The tethered platform creates a temporary cell tower at altitude for disasters, large gatherings, remote terrain and wide-area operations.

KEY CAPABILITIES

- Continuous tethered power — extended flight without battery swaps.
- Integrated cellular payload — onboard LTE/5G radio and antenna system.
- Rapid launch — operational within minutes.
- Secure backhaul — integrates with fiber, satellite, microwave or cellular.
- Wide-area footprint — elevated coverage can extend 2–3 miles.*
- Weather-resilient platform — built for harsh operational environments.

When networks fail, the mission can't wait

Disasters, remote terrain, and surging demand routinely outpace fixed networks. A traditional Cell-on-Wheels can take weeks to months to arrive. Teams need coverage that deploys in minutes — and works when everything else fails.

Infrastructure fails

Storms, wildfires, and outages knock out cellular exactly when it's needed most.

Coverage gaps

Rural, tribal, and remote areas are routinely beyond reliable carrier reach.

Too slow to deploy

Permanent builds and carrier COWs take weeks — response can't wait.

Missions move

Events, worksites, and operations shift location and demand constantly.

BUILT FOR

Wide-area disasters • Search and rescue • Border security • Large events • Remote terrain

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RAPIDLY DEPLOYABLE CONNECTIVITY

TETHERED DRONE PLATFORM

An aerial cell tower, on demand.

WHAT'S INCLUDED

- Mid XL-X4 tethered drone platform
- Ground power station
- Integrated LTE/5G radio payload
- Backhaul integration system
- Flight control system
- Safety and stabilization system
- Tether and Reel

OPTIONAL ADD-ONS

- Mobile trailer integration
- Satellite uplink
- High-capacity sector antennas
- Night operation lighting kit
- Managed flight operations support
- Power generator

TARGET INDUSTRIES

- Public safety and first responders
- Emergency operations centers
- Defense and tactical operations
- Maritime and ports
- Utilities and critical infrastructure

OPERATIONAL BENEFITS

- Rapid aerial coverage without tower construction
- Persistent operation through tethered power
- Enhances ground network capacity
- Ideal for temporary or emergency missions
- Eliminates permanent infrastructure requirements

WHY COMET TETHERED DRONE?

Wide-area disasters, mountainous terrain, coastal zones and dense events can defeat ground-level coverage. The COMET Tethered Drone Platform lifts the network above those obstacles, restoring reach and command visibility without permanent tower construction or fuel-limited flight.

INDIGITECH
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MISSION READY

When communications or cameras need to go farther, rise above the obstacles.

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