

OUR COLLABORATION

Technosylva provides GIS-based solutions for wildland fire protection planning, analysis & modeling, and operational response. Developed through years of applied use by emergency response professionals worldwide the fiResponse™ platform has become the standard in wildland firefighting response, dispatch, and operational management allowing for access to the key information needed to make critical operational decisions quickly and efficiently.

goTenna provides the worlds lightest, smallest, most affordable, and most powerful mesh-networking tactical radio system that enables smartphones to share secure encrypted data with each other over several miles without any reliance on central infrastructure. No cell towers, no base stations, no

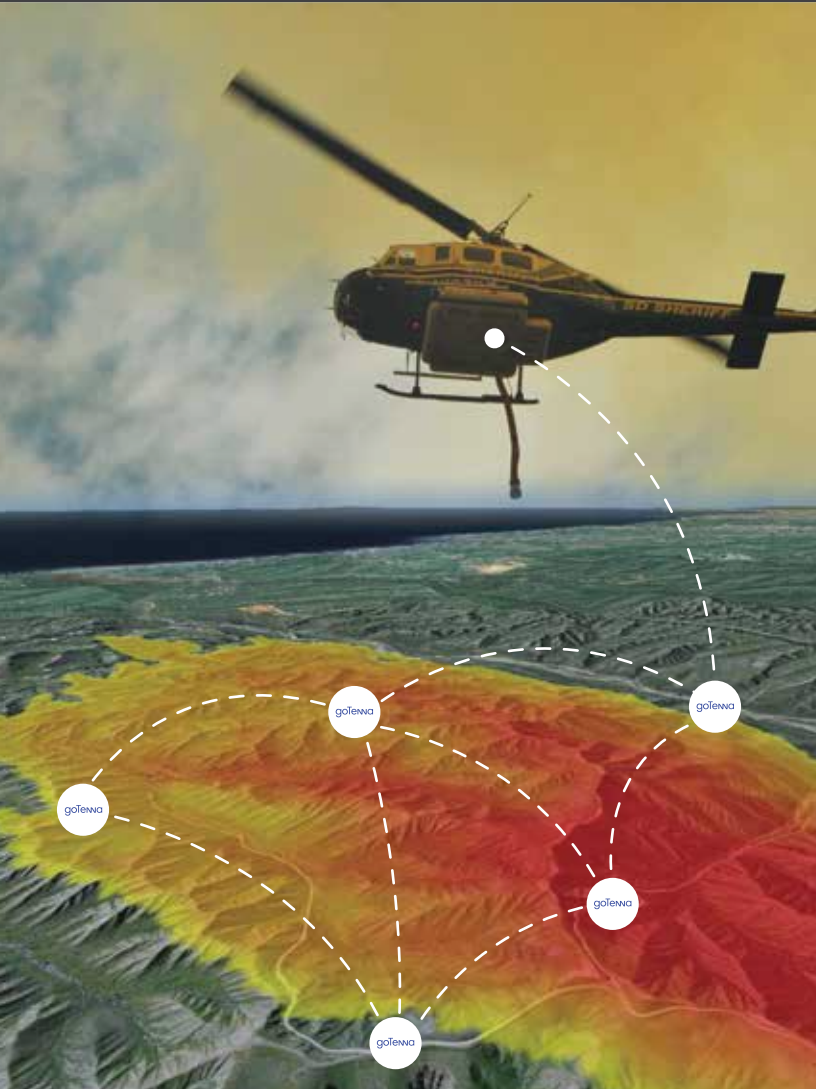
satellites – with goTenna technology smartphones can continue to be long-range communications devices no matter what.

The newly developed goTenna+fiResponse™ integration is extending the reach of the platform's situational awareness capabilities far beyond any other solution on the market. Thanks to its long range, light weight, and affordability, for the first time every individual firefighter can become a part of the common operating picture in remote environments where traditional network connectivity is unavailable.

With this integration, wildland operators can track and share their locations, chat, draw fire lines, pinpoint hotspots, communicate with aircraft, and deliver other critical status reports without any kind of supporting infrastructure.



TRACK AND COMMUNICATE WITH EVERY RESOURCE ENABLING REAL TIME COMMUNICATION IN A DISCONNECTED OPERATIONAL ENVIRONMENT



GET IN TOUCH TODAY!



Technosylva Inc.
UCSD Qualcomm Institute IS
9500 Gilman Drive
La Jolla, CA 92093

+1 619-243-9380
dbuckley@technosylva.com

www.technosylva.com



goTenna Inc.
81 Willoughby Street
Suite 302
Brooklyn, NY 11201

+1 302-540-2246
jp@gotenna.com

www.gotenna.com



MILITARY-GRADE MESH NETWORKING MEANS NEVER HAVING TO ASK WHERE YOUR FIREFIGHTERS ARE AGAIN.



WHAT DOES THE FIRE RESPONSE AND GOTENNA INTEGRATION DO FOR YOU?

The most valuable information when responding to an incident is ensuring you have a comprehensive view of all assets and hazards in the field.

Understanding where your people, vehicles, equipment, and other resources are – and their status – are just as critical as understanding where the fire line is and hotspots are.

fiResponse™ already provides the wildfire industry's leading platform that provides this visibility – however there is a critical and understandable dependency on network connectivity for fiResponse™ Mobile to achieve these functions.

This is of particularly critical concern for wildland firefighting because operations often take place in remote locations where traditional network infrastructure is simply not available. **The integration with goTenna solves this problem.**

goTenna devices create their own high-power VHF/UHF digital radio signal which can propagate through dense foliage and easily achieves data connectivity over several miles.

What makes goTenna unique from other tactical radio systems is that goTenna technology offers not only high-quality point-to-point digital data links, but this capability is further augmented by goTenna's ability to mesh multiple units together effectively creating an automatic daisy-chain of data across all field units.

goTenna extends the use of fiResponse™ Mobile to facilitate peer-to-peer communication among firefighters when no satellite or cellular network is available. Using goTenna, firefighters can continue to communicate, share information, and track their locations with the fiResponse™ Mobile app.

Available for Android devices.

CAPABILITIES SUMMARY

Mobile-to-Mobile Offline Features

- fiResponse™ advanced GIS mapping
 - Automatic sharing of GPS locations of every individual
 - Tag and share hotspots and other points of interest
 - Draw and share fire lines and perimeters
- Encrypted 1-to-1 individual chat messaging
- Encrypted group chat messaging
- Automatic confirmation of message delivery
- Voice-to-text & text-to-voice integration for hands free operation
- Manual and sensor-based automatic “man down” emergency beacon
- Resource Status Reporting

Hub-and-Spoke BackHaul

If any single mobile fiResponse™ unit has connectivity to a fiResponse™ server via satellite, cellular, or any other means – connectivity to the larger connected system will be extended to all offline units on goTenna.

A single unit becomes a gateway to the general network extending the tactical edge.

Proxied Location Sharing

All locations from offline units are backhauled to server for distribution and analysis. Locations and points of interest from the server can be pushed to offline units.

Proxied Chat & Commands

Offline units can communicate directly with anyone on server, and server can push communications to with offline units as well.

GOTENNA PRO HARDWARE SPECIFICATIONS

- Full mesh networking protocol
- 5-watt variable output power (500mW, 1W, 2W, 5W)
- 121dB receive sensitivity
- Tunable VHF/UHF radio
 - VHF coverage = 142-175Mhz
 - UHF coverage = 420-525Mhz
- 50-ohm standardized SMA antenna connector
- Rechargeable battery (60 hours / 1,700 - 17,000 messages)
- Micro-USB charging/date port & Bluetooth 4.2
- Intrinsically safe (Type 2)
- Integrated GPA
- IP68+ / MIL-STD-810(x)

