



# GUARDIAN MOBILITY NEWSLETTER

Q4 2020 VOL 1

## Drone Situational Awareness



Guardian has partnered with Invaire Systems to provide mission critical small cellular battery operated solutions for drones. This solution provides low cost, ease of installation, accuracy and reliable situational awareness for utility companies to inspect critical powerline infrastructure from the air replacing expensive helicopters.



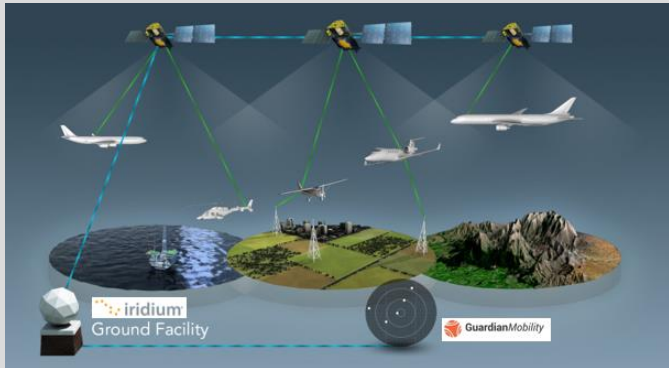
## Satellite Voice Services



Satellite phones offer voice services without relying on cellular networks, but it is the SOS and on-board GPS that provides critical situational awareness to ensure integrated land and air operations. Air crew's ability to communicate and manage operations using a common operating picture is often the difference between life and death. Guardian provides Iridium phone packages to complement aviation solutions.

## Cellular v Satellite

Using Iridium satellite services for Automated Flight Following (AFF) and real-time telemetry has proven to be very reliable as it provides 100% coverage of the earth. However, it can be cost prohibitive even for the large fleet owners therefore dual cellular/satellite products have become more common place (Guardian has several options available).



Cellular services offer excellent value if; you want to send a lot of information, operate within cellular cover (including altitude) and you are not near locations where roaming charges apply. Be careful though because sending tracking information, some telemetry or critical text messages is actually small amounts of data and satellite airtime prices are now as cost effective as cellular use. It is important to evaluate how you operate to ensure the correct solution

## Aerial Firefighting



Never has there been such a need for aerial water dispersal than in California over the last few months. Guardian is one of a few companies offering certified solutions to enable the monitoring and management of aerial fire fighting situational awareness and automated water dispersal management.

No matter what type of water bucket/tank/combo an operator is using the Guardian G4MX satellite unit provides an essential cost-effective solution. Heliqwest (operator) and Guardian (technology specialist) have built a relationship over the years that has demonstrated how this capability save lives.

