



**PROVIDING
UNRIVALED CERTAINTY™
FOR EMERGENCY
COMMUNICATIONS**

Every year, the world experiences extreme weather and events, both natural and man-made, from cyclones and tsunamis to droughts, earthquakes, terrorist attacks, and even pandemics. Isotropic understands that during these unpredictable times, always-on, reliable communications are essential for both disaster response and recovery. That's why our products and services for emergency services are designed to provide unrivaled certainty in times of crisis.



What Are Emergency Communications?

During disaster response, speed and information count. When they're racing to a scene, first response teams need connectivity to begin gathering information so they can hit the ground running. Once there, robust, easy-to-deploy communications must be available so first responders can patch into FirstNet, coordinate life-saving actions, and keep in contact with command centers. During recovery, access to communications for individuals and families affected by a disaster ensure they can let loved ones know their location and status, and stay in touch with news and developments.

Today, emergency communications entail much more than simple voice communications. As first responders leverage more sophisticated technologies, they need a solution that can handle TV and radio signals, video streamed from drones, data collection and transfers, communications between Internet of Things devices, and more.

With satellite, NGOs and first responders can rely on their communications working with unrivaled certainty. Whether Wi-Fi or cellular coverage are intact, damaged, or nonexistent, satellite ensures there's no gap in coverage, no matter what the communications landscape looks like.

Solutions Built on Experience

Isotropic has been serving the emergency response community with its highly reliable connectivity solutions for over 25 years. We've assisted first response teams responding to hurricanes in Puerto Rico, the Bahamas, Florida, Texas, and the

Eastern Seaboard; wildfires in California; tornadoes throughout the Midwest; organized public gatherings in Nevada; and more. With our experience in diverse emergency situations, we have developed an unparalleled breadth of satellite emergency services.

Our satellite links are completely independent of terrestrial communications infrastructure, so there are no single points of failure in your network.



Emergency Communications Platform (ECP)

With its compact design and just-add-power portability, the ECP can be installed on any vehicle in a fraction of the time of more traditional solutions without the need for large clusters of rooftop equipment that create more opportunities for technical difficulties.

The ECP is built on a software-defined wide area network (SD-WAN) connection that automatically shifts between VSAT and LTE networks in microseconds. At its heart is Kymeta's latest u8 GEO flat panel terminal integrated with iDirect's iQ 200 modem board promising unfailing, always-on connectivity.

Emergency Communications LTE (ECLTE)

If your existing VSAT system isn't ready for a total upgrade, Isotropic's ECLTE offers you the ability to expand your connectivity without the expense of installing a completely new communication system.

With the ECLTE, you can add an iDirect iQ200 LTE modem with dual SIM cards and customizable, fail-over redundancy to any existing VSAT platform and gain the ability to switch seamlessly between VSAT and LTE networks to ensure the unrivaled certainty you expect and need when it matters most.

A Reliable, Redundant Network

With the best uptime and service levels in the industry, Isotropic knows a thing or two about reliability. Our satellite links are completely independent of terrestrial communications infrastructure, so there are no single points of failure in your network. We can also help emergency responders partition secure voice and data communications onto a separate network unavailable to the general public so they can operate efficiently and effectively, even when local cellular networks become strained.

Isotropic offers several options that ensure seamless interoperability, such as a scalable platform that can connect land mobile radios with cellular phones, laptop computers, and desktop computers. Our interoperative platform also allows users to stream live drone video in real time to any location in the world, regardless of how each viewer is connected to the internet.

Plans That Fit Your Budget and Needs

At Isotropic, we have created low-cost, reliable solutions tailored to the precise requirements of emergency responders. We offer low monthly service plans with a large variety of bandwidth-on-demand options. This is an economical solution for enterprises, local governments, or emergency services to deploy.

With our continuity plans, customers can subscribe to minimum service levels that maintain satellite emergency equipment active on the network and, when required, can switch to full throughput with one simple phone call.

Service You Can Count On

The team at Isotropic consistently goes above and beyond to ensure that our clients are getting the very best service possible—we won't hesitate to hop in our corporate jet to troubleshoot in person. We take pride in investing our time and effort up-front to ensure our customers receive the best hardware for their applications. At Isotropic, we highly value the work of our first responders, which is why we guarantee your service will work every time, anywhere, no matter the situation.

Please [visit us to learn more](#) about Emergency Communications services solutions from Isotropic.