



Secure **Push-to-talk over cellular**  
communications

# Designed for mission-critical operations

For first responders, security professionals, the military and other organisations operating in challenging environments, including remote areas with limited infrastructure, any compromise in communication could have devastating consequences.

Reliable, secure communication is essential to increase the effectiveness of critical operations, to enable a timely response to emergencies and to coordinate personnel.

With availability of 99.999%, Mobile Tornado's push-to-talk over cellular (PTToC also known as PoC and PTT) solution is able to meet the communication needs of organisations at the sharp end of operations.

Cybersecurity is an ongoing challenge for any connected solution. At Mobile Tornado, we follow best practice methodologies and security guidelines to ensure a safe code,

platform and network whilst complying with GDPR requirements. This, together with our end-to-end data encryption software, helps to make our PTToC the most secure application on the market.

With over 20 years of experience in critical communications, Mobile Tornado's push-to-talk over cellular technology is tried, tested and proven. We have more than 150,000 users in a range of industry sectors across 30 countries in Europe, South America, North America and Africa.





# Push-to-talk over cellular solutions for critical situations - where nothing but the best will do



## **Instant: Instant communication at the push of a button.**

One-to-one and one-to-many individuals and groups of up to 5000 participants can instantly talk to each other, and share written messages, images, videos and files, at the touch of a button, wherever they are in the world.

In the event of an emergency, users can press an SOS button to send an instant alert.



## **Reliable: Reliable communication in challenging environments.**

By using cellular networks, PTTtoC eliminates the limitations of range associated with two-way radios and enables users to communicate with each other across the world.

The growth in satellite communications and private LTE networks is bringing connectivity to the hardest-to-reach locations. Private LTEs are not accessible to the general public, ensuring that communications are secure. Our “PTT in a box” all-in-one solution supports up to 1000 users and provides connectivity for remote areas and for personnel operating off site.



## **Control: Full control over device functionality.**

PTTtoC device functionality and user permissions can be easily controlled and configured to ensure absolute security using push-to-talk kiosk mode, also known as mobile device management (MDM).

Devices can be configured in single application mode, letting users launch only the PTTtoC application, or in multi-application mode, letting users use only whitelisted and approved third party applications.



### **Secure: Secure communication in hazardous conditions.**

Mobile Tornado's end-to-end data encryption software makes our PTTToC the most secure application on the market.

Our global security policy follows the guidelines and frameworks of the national security bodies to protect our company networks, our SaaS sites, the IPRS™ platforms at our customer sites and our software code.



### **Convenience: Access a range of features on one device.**

Mobile Tornado's PTTToC solution is device agnostic and can be fully integrated to a range of devices. PTTToC devices are often smaller and lighter than traditional communication equipment associated with the military and emergency sectors, improving mobility without compromising communication capabilities.

Users can also access a wide range of features, including push-to-talk, message, alert, locate, record, SOS and more, on a single device.

## **World-leading PTTToC technology**

- Instantly communicate with individuals and groups of up to 5000.
- Only dispatch console in the world to support up to 64 simultaneous PTTToC radio group sessions.
- Voice transmission of less than 0.5 seconds.
- PTTToC carrier-grade system availability of 99.999%.
- Lowest latency of any PTT solution on the market, meaning there is almost no difference between a private PTT call and a group of 1000.
- Call establishment and voice delay of less than 300 milliseconds.
- Best in class, seamless switching between cellular 2G, 3G, 4G and 5G networks and broadband.



# Supporting your needs with a range of world-class add-on features

Our range of add-on features enable you upgrade your PTTToC application according to the needs of your organisation and personnel.

## Protect: Lone worker

Add our lone worker solution to your PTTToC application to help keep your team safer. Track and locate personnel in real time, periodically check-in with users and detect both device movement and inactivity.

Users can also send SOS alerts in the event of an emergency, enabling help to be sent fast.

## Manage: Workforce management

Our workforce management add-on solution enables the allocation of tasks and the efficient management of operational performance and productivity.

Our dispatch console enables the management of remote units from a central command and control centre.

## Stay confidential: Accessories

A range of easy-to-use accessories to enable surveillance and confidential communications are available for Mobile Tornado's PTTToC solution.

These include covert earpieces and remote speaker microphones, both providing reliable and high quality audio performance.

## Integrate: Radio over IP

Integrate land mobile radio systems with PTTToC radios and smartphones using a standalone Radio over IP (RoIP) Gateway.

It is cost effective and easy-to-install, and enables teams to continue using the same radios whilst migrating from radio technology to PTTToC technology over time.



Providing **channel partners**  
with the **best** and **most resilient**  
**technology** in the world for  
**critical communications**



To find out more or to arrange a demo:

**+44 1423 511 900**  
**[sales@mobiletornado.com](mailto:sales@mobiletornado.com)**  
**[www.mobiletornado.com](http://www.mobiletornado.com)**