



## Mobile Tornado – The Leading Push-To-Talk Solution

Since 2003 Mobile Tornado offers a suite of secured, field proven, carrier-grade, customizable PTT solutions over any IP-network:

- **Push-to-Talk** – Voice
- **Push-to-Alert** – Emergency alerts
- **Push-to-Locate** – Location tracking
- **Push-to-Message** – Text & Image messages
- **Push-to-Record** – Audio recordings
- **Dispatch consoles** – for control rooms

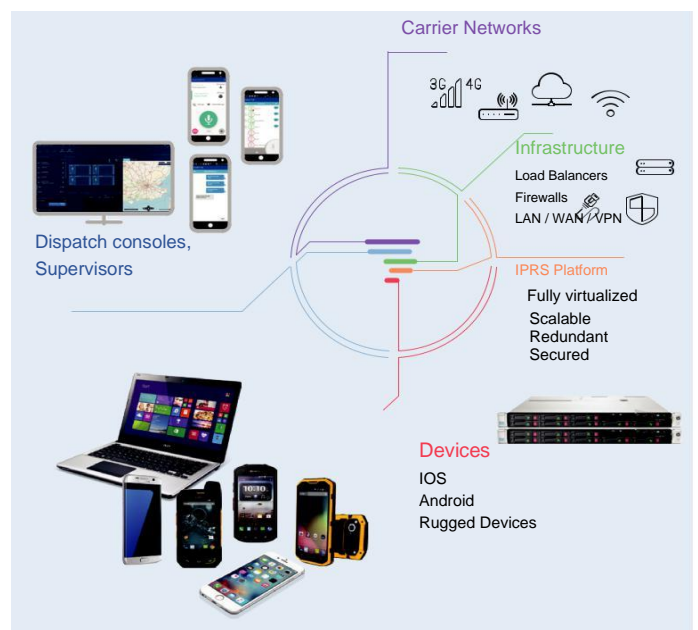
Mobile Tornado PTT is in use in industries that heavily depend on fast and reliable communication between individuals and large groups. It can be found in security, transportation, manufacturing, hospitality, utilities, and government agencies.

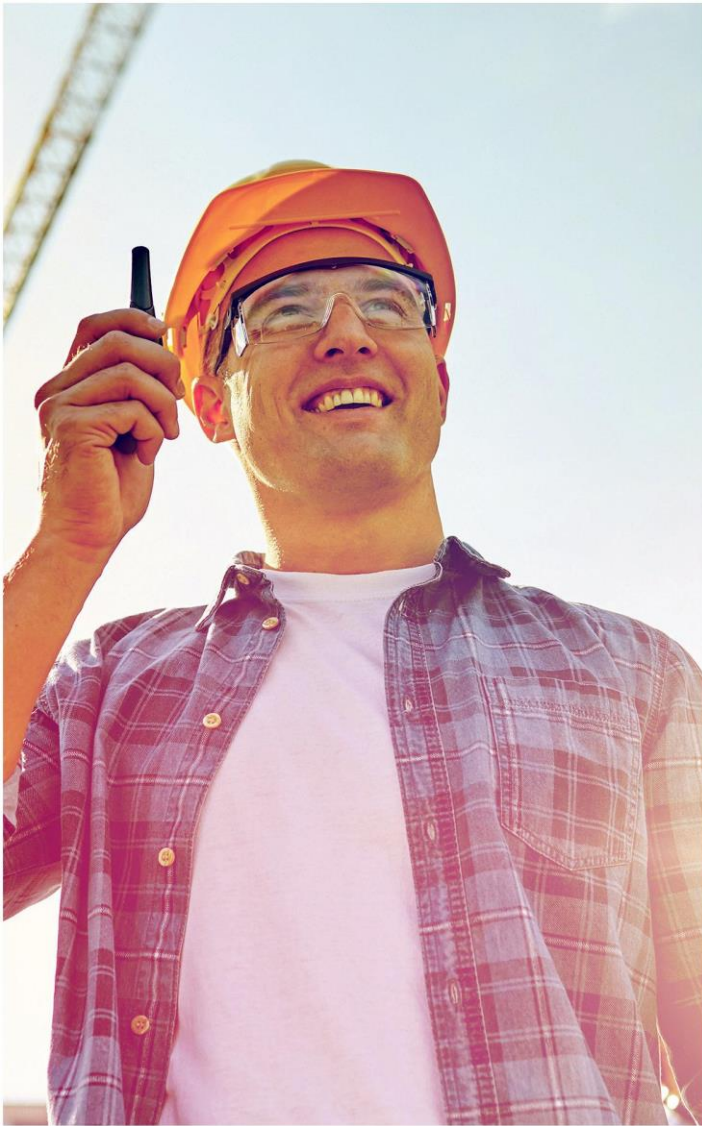
Our strategic partners include mobile operators, Value Added Distributors (VADs) and solution providers.

Mobile Tornado provides superior, carrier-grade, professional end-to-end PTT solutions over any IP network. Our PTT solutions are known for their excellent performance and high availability.

## Features & Benefits

- End-to-end solution that integrates voice, location tracking and reporting, emergency alerts, text messaging and recording
- Global compatibility with any IP network
- Sub-second PTT call setup time, even for large groups
- Carrier-grade PTT platform with high availability (99.999%) and geo-redundancy
- Smooth transition between Wi-Fi and Cellular 3G/4G networks
- Feature-rich dispatch console solutions
- Software Development Kit (SDK) for Android PTT applications
- Scalable PTT platform: from hundreds to millions of users





### Push-to-Talk (PTT)

Mobile Tornado's Push-to-Talk enables instant voice communications with individuals as well as with large groups with a single push of a button.

Mobile Tornado's PTT application runs on a very wide range of devices: Smart phones, PTT rugged devices, and feature-rich phones. The application operates on Android and iOS operating systems.

#### Supported PTT session

- Private (one-to-one) call
- Private group call
- Ad-hoc groups call
- Radio channel (Chat) call
- Conference (Broadcast) call
- Announcement call
- High priority emergency call

**Instant presence** updates include: Online, Offline, Do-Not-Disturb and Alert-Me.

### Unbeatable performance

- PTT session setup in less than 1 second
- Voice transmission latency is less than 0.5 second
- Large groups: more than 1,000 participants in Radio groups

### Priority Calls and User priority

- Pre-defined session priorities
- Pre-defined user priorities within a session
- Elevated priority in emergency sessions

### Push-to-Alert (PTA)

Mobile Tornado's Push-to-Alert service enables enterprise users at risk to send a notification from their devices to control rooms and dispatchers by pressing a dedicated SOS button.

As soon as the SOS button is pressed, a notification is instantaneously sent to the Mobile Tornado PTT server and then forwarded to the control room along with the location of the user. All steps in delivery, approval, and handling are monitored and recorded for later debriefing. For privacy and security reasons, this feature can be assigned to particular users only. The PTT client will not send emergency alert to the center if the PTA license is not enabled for the user.

**Ambient listening** is optional during emergency calls.

### Push-to-Locate (PTL)

Mobile Tornado's Push-To-Locate enables tracking of individuals, crew members, dispatched relief workers, officers, and other assets using GPS-enabled devices. With our Push-To-Locate feature, your workforce can be quickly located in case of emergency.

The Mobile Tornado PTT client, installed on a GPS-enabled mobile device, automatically reports location information at pre-defined update intervals.

For privacy and security reasons, this feature can be assigned to particular users only. The PTT client will not report any location information to the center if the PTL license is not enabled for the user.

### Push-To-Message (PTM)

Mobile Tornado's Push-to-Message service consists of real-time text & Image messaging with any contact or server based groups.



## MDC 2000 Dispatch Console

Managing mobile workers is effectively done with Mobile Tornado's MDC2000 Dispatch Console.

Features include:

- PTT voice communication (one-to-one or group call) up to 16 simultaneous channels with the option to transmit in all channels at once (APB)
- Location tracking of users via interactive map (live and history view)
- Map based geo-fencing and alerts when users enter or exit an area
- Emergency alert management
- Audio recordings of incoming and outgoing calls
- Ability to send alerts and establish PTT calls to users geographically close to a person in distress
- The Dispatch Console MDC 2000 is a Windows/PC application that supports up to 16 connected sessions simultaneously. It can be branded by the customer.

## System Deployment

Mobile Tornado offers several operation models to meet the requirements of various customers.

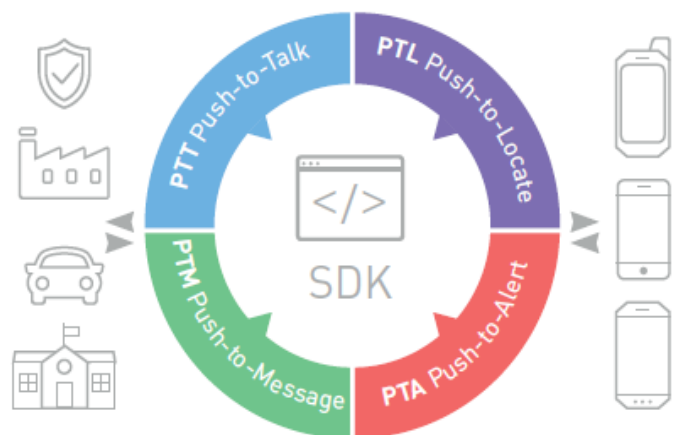
Our **on-premises** and **cloud** models can be tailored to the business model, size, and activities of our customers.

- The PTT-as-a-Service (PTTaaS) solution is rendered from the cloud
- The Enterprise-grade on-premises platform is installed at the customer's data center
- The Carrier-grade PTT platform is installed at the core of service providers' networks.

## Software Development Kit

Mobile Tornado's Software Development Kit (SDK) for Android consists of an API set that enables access to PTT services on mobile devices, with a focus on enterprise workforce management.

Developers can easily integrate the SDK into their mobile application with all the main features from Mobile Tornado, including PTT, location tracking, emergency calls, and text messaging. No need to implement the Mobile Tornado client-server protocol, the SDK does it for you.



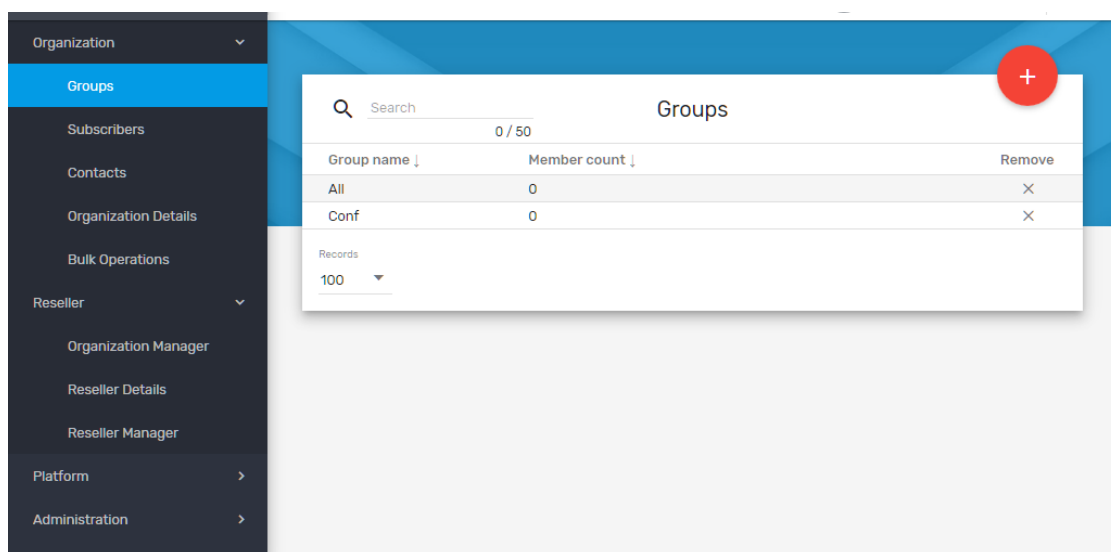
## Private Systems

Mobile Tornado can replace existing Digital Mobile Radio (DMR) networks with a private PTT system for the organization's exclusive use.

These small-scale private systems provide wide coverage utilizing cellular networks and Wi-Fi and thus have higher availability. The add-on services include location tracking, emergency alerts, text messaging and a feature rich dispatch solution. Users can bring their own smartphones (BYOD), eliminating the need to purchase dedicated PTT devices.

## Interactive Team Organizer (ITO)

Using the Mobile Tornado web-based intuitive ITO, service providers and Organization managers create talk-groups, associate users with groups, control the permissions of individual users including their priority, their ability to originate calls, participate in private calls, transmit text messages, generate priority alerts and report location to the center.



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## About Mobile Tornado

Mobile Tornado is a leading provider of PTT solutions for Tier1 Mobile Operators and Solution Providers.

The company is headquartered in Harrogate, UK with R&D facilities in the UK, Israel, India and Ukraine. Mobile Tornado is listed on the London Stock Exchange (AIM:MBT).

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