

"Time is money." With an increasingly mobilized workforce, the expenses of maintaining legacy infrastructure is a critical burden. Communication should occur faster to respond to incidents, urgent situations, requests, events, and other situation that require quick action. Furthermore, the efficiency of the accessibility is a key benefit in mobile productivity to increase output rapidly. Communication through the network and infrastructure in the field can be crucial among your employees and customers by connecting applications and business processes with faster and more powerful accessibility at any time.

What is LTE-PTT ?

LTE Push to Talk (LTE-PTT) communications solution has recently developed of communication with LTE smart mobile devices like smartphones or handsets among business critical mobile frontline workers with the new technology. The LTE-PTT service continues proliferation of smart mobile devices for customers to give an opportunity to operate their LTE mobile devices to the existing users such as a "walkie-talkie."

The LTE-PTT is the latest solution of carrier-based PoC(Push-to-Talk over Cellular) with enhanced QoS(Quality of Service) criteria equivalent with VoLTE(Voice over LTE) level QoS management.

The LTE-PTT service provides extended coverage comparing with LMR(Land Mobile Radio) service like TRS/TETRA and iDEN, LMR service requires dedicated radio infra. But LTE-PTT removes this coverage limitation and gives PTT users unlimited service ranges (national and even international coverages) without additional expenses. Non carrier-grade OTT(Over The Top) PTT service has a similar service coverage. However, OTT Push-to-Talk service has no QoS management for reliable communication.

The LTE-PTT eliminates both limitations of LRM and OTT service. In addition to these, an enhanced PTT solution represents a powerful result of the combination for the recently developed technology and the international standard for the future-oriented communication service.



Who Require LTE-PTT ?

The LTE-PTT represents the best new solutions to apply for PTT users of traditional LMR services and OTT PTT services without new investments. With a carrier service order, PTT users can access immediately enterprise-wide instant communications and can experience increasing levels of combination and productivity among their workforce.

Retail Service Company

- Shopping mall, supermarket, restaurant and hotel
- 1:N group communication for real-time status check, order and quick organization of required job.

Hospital, Healthcare and Ambulance.

- Total organized patient care services.
- Checking real-time patient status with video PTT, timely represented by specialists to be available and providing proper aids as optimized care.

Logistics/Trucking

- Allocating pickup order to nearby truck using geographical information.
- 1:N group communications for the real-time status for checking and provide accurate delivery time to destination for customers.

Transportation

- Allocating of nearby taxi and fast pick up of passenger for taxi company
- Improving vehicle operation efficiency and optimized bus allocation interval by traffic condition.

Engineering & Construction Field

- Improving work efficiency and optimization of whole schedule.
- 1:N group communication for real-time status in the field and interacted orders for next job allocations.

Security & Public Safety

- Police, fire-station and private security service
- Real-time communications from activities in the fields and headquarters rapidly responses to incidents or urgent situations.
- 1:N group communication for real-time status of the field and timely proper responses by all participants.

With LTE-PTT You Can :

- Enable to provide information who's available to talk with real-time presence status indicators (available, unavailable, Do Not Disturb)
- Make calls on Signtel's expansive 4G LTE networks with QoS management by in-house technology.
- Create large contact lists with up to 1,000 contacts using an online Corporate Administrator Tool to effectively manage the activity for a set of mobile PTT users working in the field.
- Conduct a group call with up to 1,000 people simultaneously with one-touch button.
- Consolidate multiple functions (PTT, e-mail, cellular calls, GPS mapping and directions, mobile forms/work orders, Point of Sale, in-house applications and more) on a single smart device (some available separately)
- Allow supervisors to override important PTT calls in order to communicate, time-sensitive messages to their teams.
- View your mobile workers' locations and PTT statuses on a map using the optional Integrated Dispatch feature.



Why Require LTE-PTT ?

The LTE-PTT communication system with the walkie-talkie like an instant group calling has long been a mainstay of mobility-dependent industries, including transportation, construction, hospitality and Public Safety services. The simple one-touch button of the LTE-PTT to nearly instantaneous one-to-one and one-to-many voice communications gets them done quickly and efficiently, improving employee's performance and productivity, and helps improving your bottom line.

The PTT increases rapidly with the advent of new mobile technologies and innovations. Also, there has never tried to spend an amount of time to upgrade to the next generation of push-to-talk mobile. It's time to migrate your push-to-talk solution to the new era of mobile devices and high-speed networks.

The LTE-PTT communications systems provide various features which are high quality communications, voice, video, location information, text messaging, text chatting and file transfer over simple voice communication of the traditional LMR services. All of the new features in LTE-PTT services are based on the IP network technology and therefore the LTE-PTT service can be extended and integrated with the internet service in the future.

Most similar features and coverages of the services would be available with an Over-the-Top service for the Push-to-Talk, but a "carrier grade" of the LTE-PTT service has one of the strongest carrier network integration, and the carrier provided service assurance with standard based on communication technology, hence more reliable devices for users including rugged handset for the work environment, and the service quality with strict network level QoS management would guarantee for enterprise through the worldwide PTT services.



What Feature are provided ?

- 1:1 individual call & group calls
- 1:1 & group video calls
- Central group management with the dispatch system
- Location information of users
- Display the Presence status of users
- HD voice group call through the equivalent quality
- Max 10 multiple group support for each user
- Ad hoc group call by user
- 1:1 & group Text messaging for announcement
- Ambient listening sounds
- Secure communication with AES256
- Emergency call for urgent communication
- Text chatting & file transfer
- Individual or group call recording(optional)