# MISSION-TALK

Professional Broadband
Push-To-Talk Solution

## Enhance Your Team Cooperation

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## Secure Your Communication

# Mission-Talk Solution Overview

Mission-Talk Broadband Push-to-Talk (PTT) is an ideal solution for mobile workforce communications over 5G\4G\LTE\WIFI and even private broadband network.

Mission-Talk PTT provides a complete voice and video service and data exchange between users, instant messaging, guard tour system, task management, history tracking and etc.

Which enables for both high-performance PTT and mobile broadband applications, and also provides access to enhanced quality of service (QoS). Users benefit from sub-second call set-up, high voice quality ,numerous advanced PTT features, multimedia applications integrated on the same device, nationwide network coverage, and low cost of ownership.
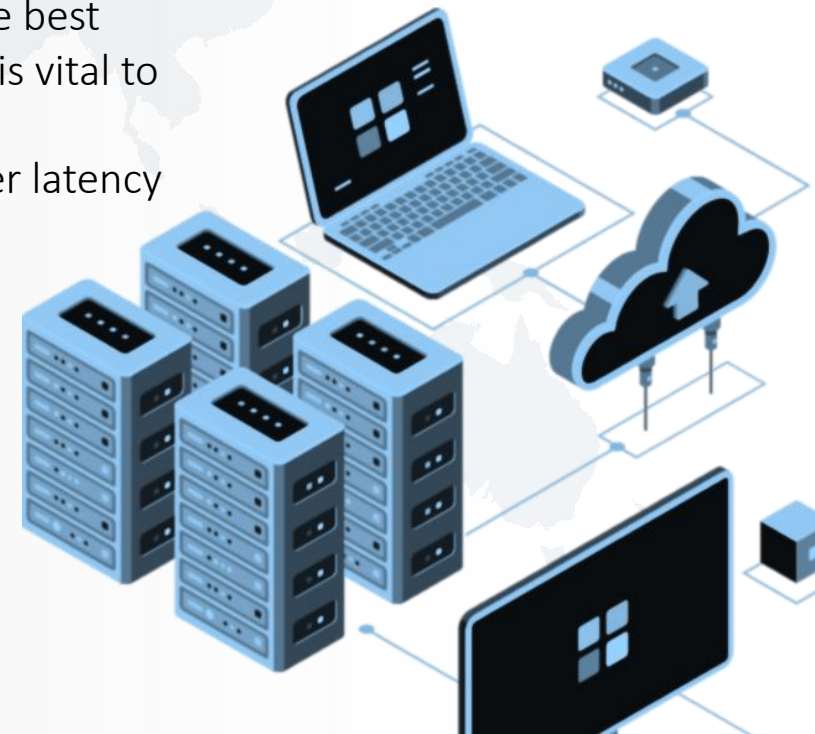
# High Guarantee Performance System

   Mission-Talk has a provision of supporting hot standby redundancy and also provide geo-redundancy option. It supports 2N redundancy with signaling functionality running in active/hot standby and bearer functionality running in active/active configuration. The server cluster architecture adopts the optimized design pattern such as "coreless node" and "dynamic load balancing", which can provide continuous service without interruption.

   The platform is establishing QoS and complete customer satisfaction which is crucial for all organizations that want to guarantee the best performance of ours most critical applications and services. It is vital to ensuring that high-bandwidth solutions like PTT call, video conferencing, and increasingly, streaming services do not suffer latency or lag.

- **Latency Reduction**: 100 ~300ms
- **Jitter Reduction:** 20 ~30ms
- **Packet Loss Prevention:** Less than 1% packet loss.

# Reliable and Stable System

## Multimedia Services

Mission-Talk provides multimedia services, like Push To Talk (PTT), full-duplex audio and video communication, Instant Messaging (IM), real-time positioning to meet different communication priorities.

## Integrated Dispatch System

Know where PTT users are and reach them at the click of a button. With an integrated console, dispatcher can easily reach PTT users, monitor talk groups, capture call logs, and much more.

## Reliable Platform System

The "coreless node" and "dynamic load balancing" architecture design can provide continuous service without interruption.

## Central Management System

Abundant and complete back-end management system, perfect multi-level group management capabilities, fully meet the large, medium and small business groups management needs.

## Outstanding Voice Quality

Advanced voice-transmission technology that leads the industry in quality so you can hear each conversation clearly. Low power consumption and voice transmission with using advanced compression technology ensure the quality of calls at the same time. The call traffic will be reduced to the minimum.

## Customized Industry Functions

The professional R & D team is keeping to develop customized advanced industry features

## Secure Data Transmission

All data use high bit AES256 encryption and decryption transmission. Multiple real-time backup mechanism ensures that the data is safe and reliable.

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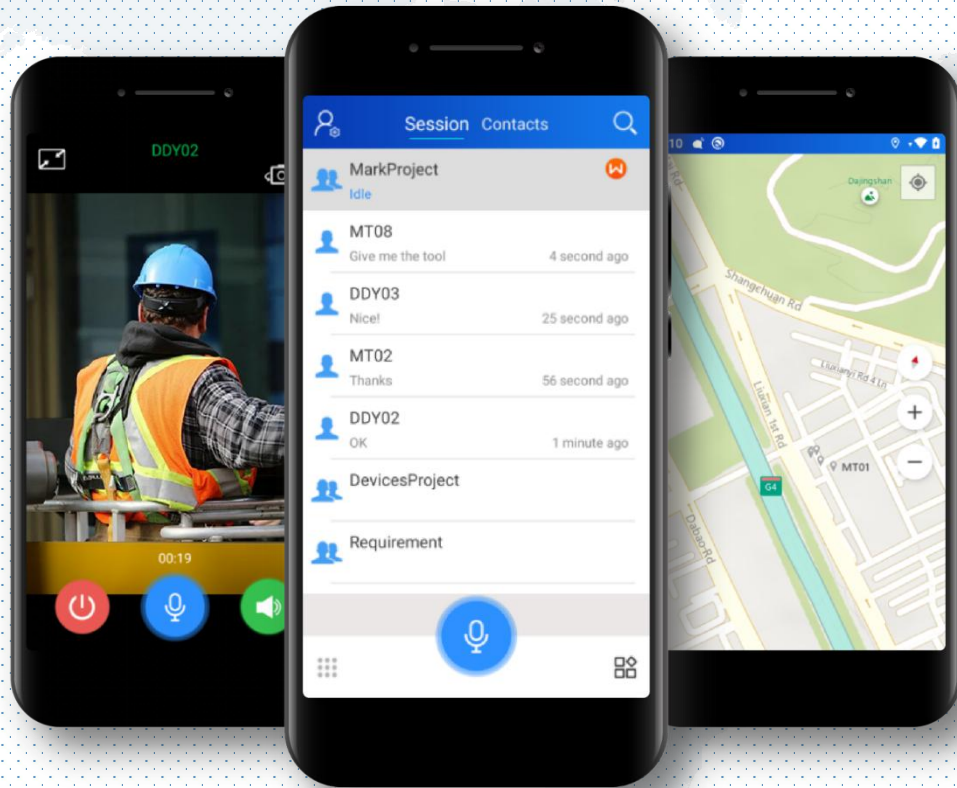
# Seamlessly Connect Your IoT Device

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## Seamless PTT Communication

# All-In-One Mobile Application

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- PTT Communication
- Full-duplex Voice Call
- GPS Location
- Geo Fencing
- Full-duplex Video Call
- Video Recording
- SOS Alert
- Broadcast
- Guard Tour System
- AES256 Encryption
- Instant Message
- Lone Worker Protection

# All-In-One Mobile Application

**Dynamic Re-grouping**
App user is able to re-regroup PTT members dynamically for temporary communication in emergency moment.

**Real-time Location Viewing**
Know where the team members are by clicking the group list. And able to make a fast action with them.

**Two-ways Video Call**
Able to make a two-ways live video call with others in face-to-face chat for avoiding communication gap and improving the teamwork efficiency.
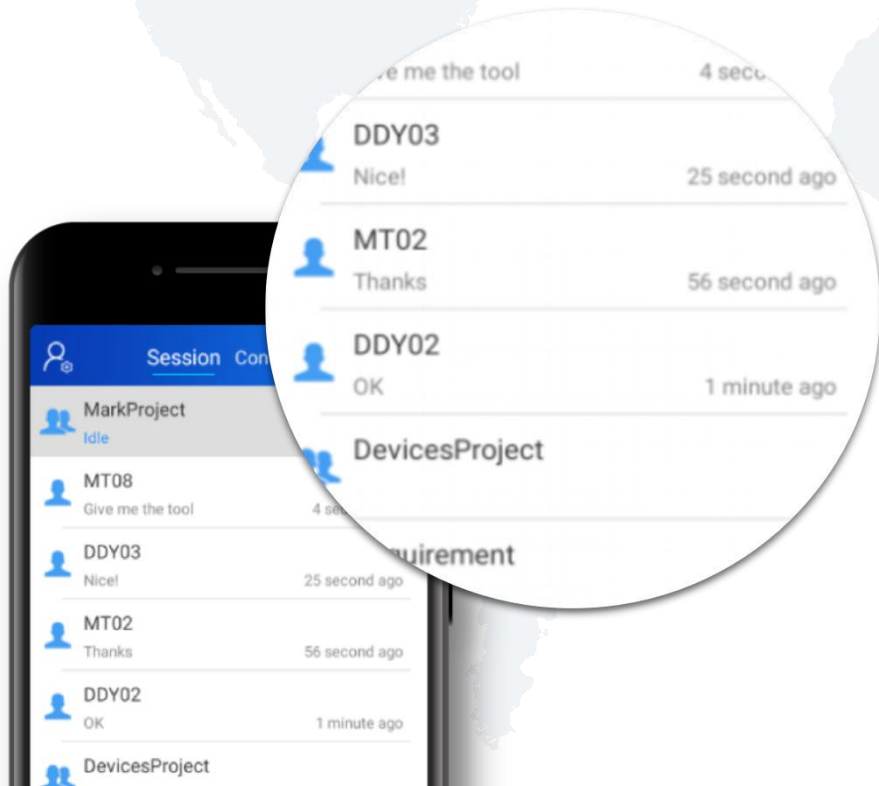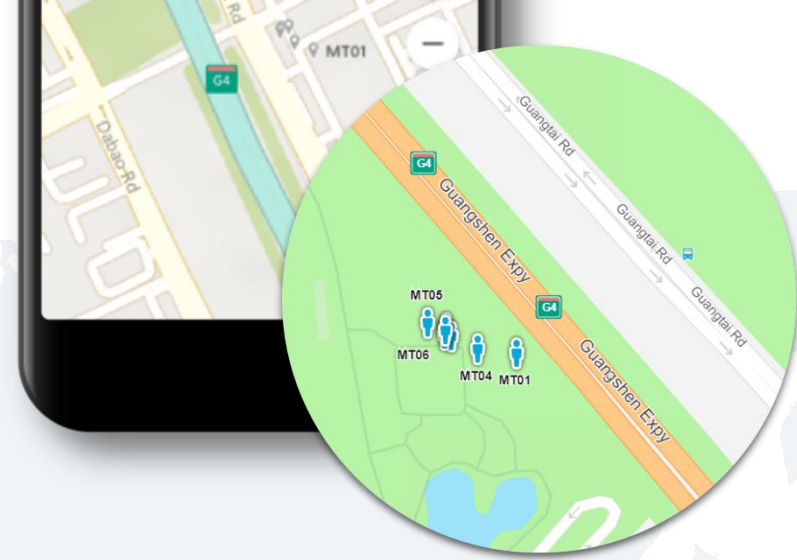
**Full-duplex Voice Call**
Mission-Talk provides one-to-one or one-to-many voice conference with full-duplex mode. It's powerful feature enhancing team cooperation in a simple way.

**Voice & Video Recording**
One click for recording the voice and video for collecting important moment to play back after working.

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# Intuitive Interface and Easy Navigation

Mission-Talk Mobile Application is providing a simple and user-friendly interface for user who can reach the target function by few clicking buttons.

Which is also supporting to adapt professional push-to-talk handsets with dedicated PTT /SOS /Channel button and similar operation experience as two way radio.

The App client provides seamlessly communications and instant message in anytime and anywhere. And that shall support the new version checking as well as the automatic upgrading and downloading functions over the air.

# Comprehensive Dispatch Solution

   Mission-Talk Dispatch Console is Windows based software client which providing multiple dispatch function likely voice dispatch, video dispatch, location dispatch , task dispatch, media file management and over the air programing.

   The Dispatch Console is improving dispatcher operation and reaction time during emergency missions due to simple and flexible user interface. Ensure additional safety for workers with user activity control, guard tour feature, remote monitoring of users.

# Integrated Dispatch Solution

## Voice Dispatch
- PTT Voice Dispatch
- Voice Monitoring
- Voice Recording
- Dynamic re-grouping

## Video Dispatch
- Remote on your end camera
- Video Call (two-ways)
- Video Monitoring
- Video Recording

## Location Dispatch
- Real time Positioning
- Location Tracking
- Geo-fencing
- Circle to speak up on the map
- Bing Map

## Task Dispatch
- Guard Tour System
- Task Management
- Event Reporting

## Over the Air Programing
- Remote Modify User Permission
- Remote Configure User Profile
- Remote Upgrade Software Version

## Emergency SOS System
- SOS Alert Notification
- Emergency Operation Shortcut
- History SOS Record Tracing
- History Fence Alarming Record

## Media File Manager
- Local Audio Record & File Management
- Local Video Record & File Management
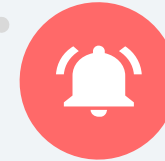- On-cloud Multimedia File Storage
- Online/offline User Status Report

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## Improve Your Mission Efficiency
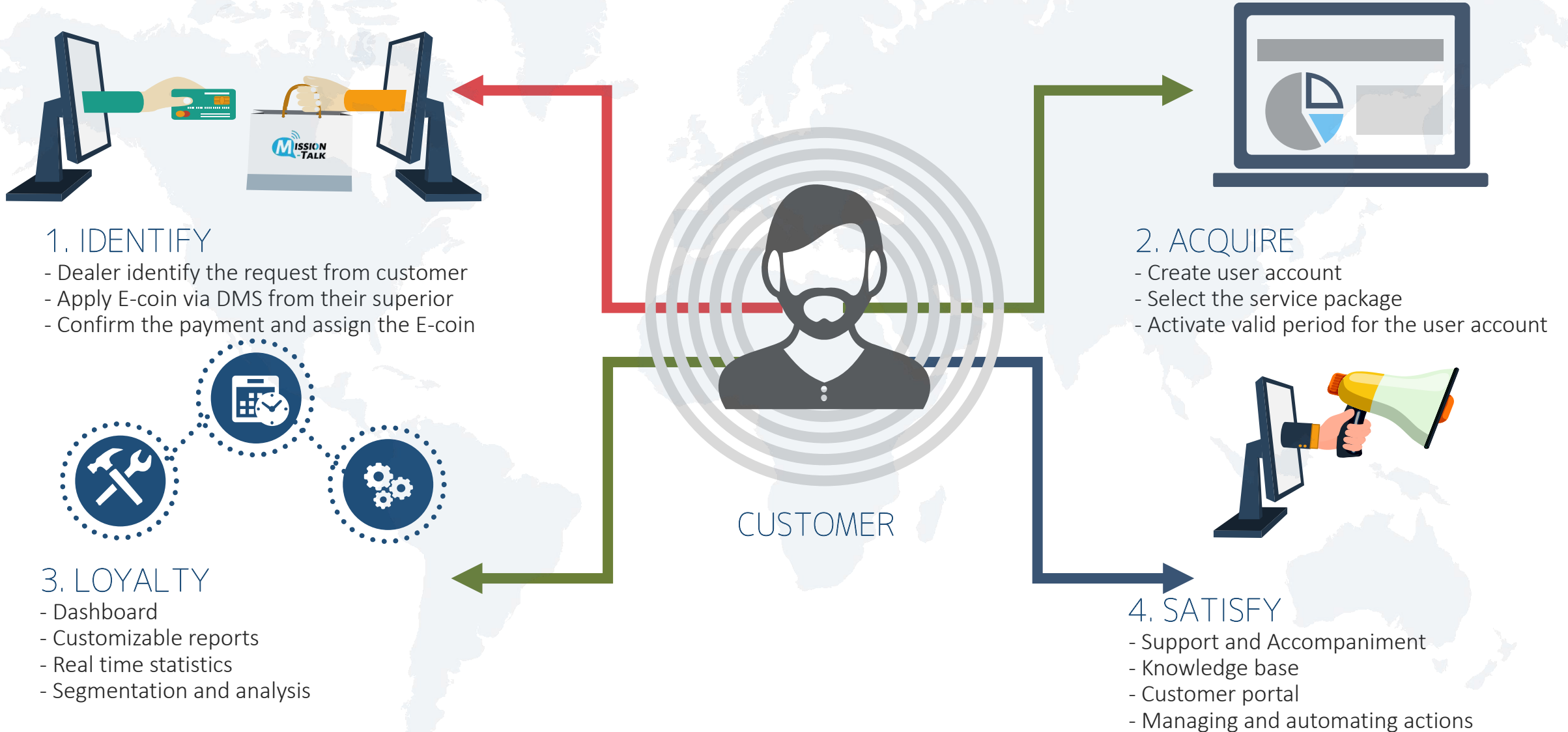
# Guard Tour System

Mission-Talk Guard Tour System is built to improve the performance of your security guards. Communicate schedules, assign tasks, and collect reports in real-time.

Simply allow clients to access crucial reports online and other data on the go with our guard monitoring system to experience elevated client satisfaction.

Guard Tour System helps clearly define the tasks for your guards and provide the means required to report them, increasing their productivity on the client sites.

# A Complete Dealer Management System(DMS)

## 1. IDENTIFY
- Dealer identify the request from customer
- Apply E-coin via DMS from their superior
- Confirm the payment and assign the E-coin

## 2. ACQUIRE
- Create user account
- Select the service package
- Activate valid period for the user account

## 3. LOYALTY
- Dashboard
- Customizable reports
- Real time statistics
- Segmentation and analysis

## 4. SATISFY
- Support and Accompaniment
- Knowledge base
- Customer portal
- Managing and automating actions

CUSTOMER

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Efficient Communication

# Airline Industry

Today's global airline ground service use a wide of communication types to ensure safe and efficient use of daily operations. The Broadband push-to-talk solution has formed a trend that covering various work scenarios

The employee count by Top 10 airlines (in 2020) :

**Cargo**
96.2 k

**Operation**
144.3 k

**Maintenance**
105.8 k

Proportion of front-line employees

**85%**

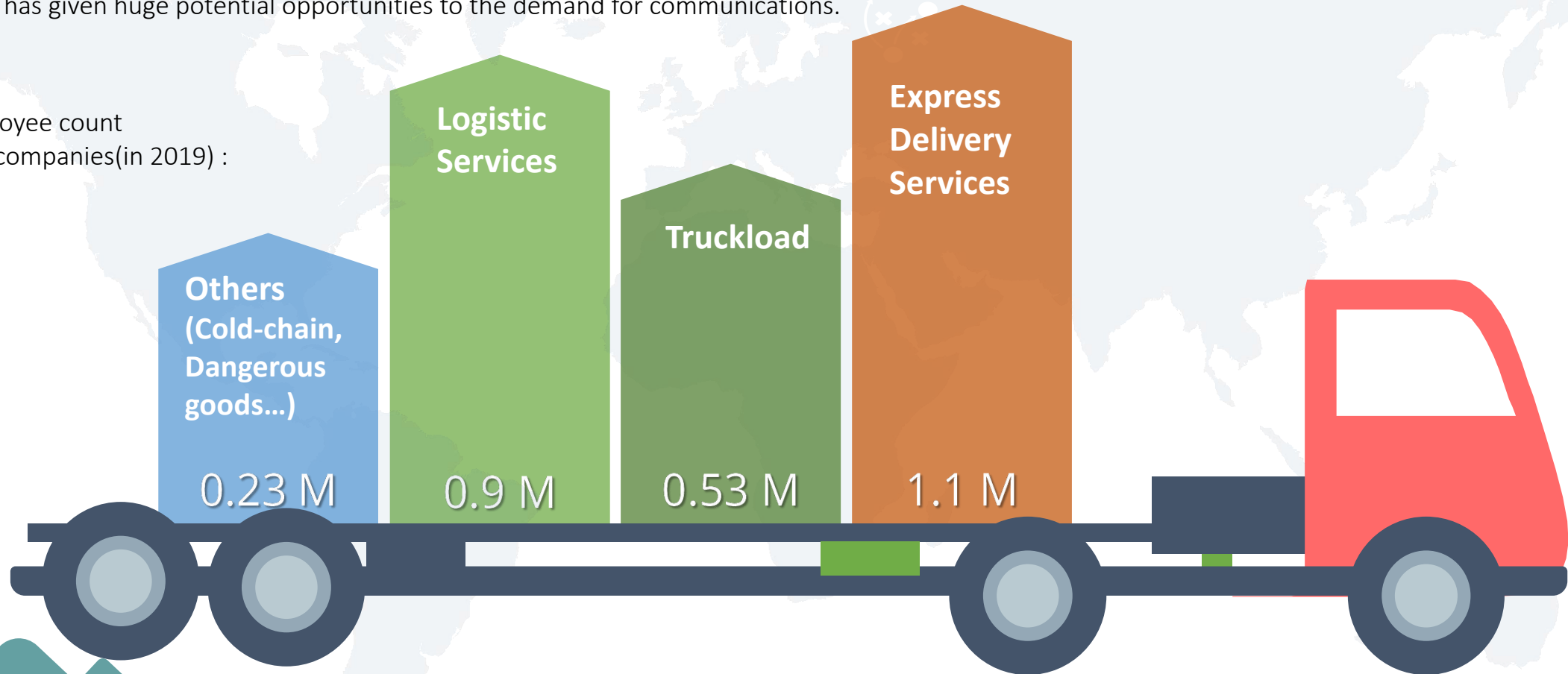Frontline employees in the airport industry account for 85% of the total employees

**95%**

More than 95% of employees have to communicate instantly on a daily basis

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# Transportation & Logistic Industry

The logistics and transportation industry is highly competitive. More and more logistics companies expect to increase investment to improve not only internal communication, but also eager to assist in enhancing work efficiency in other Intelligent soft powers. The growing number of employees in the industry has given huge potential opportunities to the demand for communications.

The employee count
by Top 3 companies(in 2019) :

**Others
(Cold-chain,
Dangerous
goods...)**

0.23 M

**Logistic
Services**

0.9 M

**Truckload**

0.53 M

**Express
Delivery
Services**

1.1 M

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# Other Industries

The rapid spread of pandemic to nearly all parts of the world has posed enormous health, economic, environmental and social challenges worldwide. Aspects of everyday life, such as how we travel to and from work and even where we live, have been impacted. Pre-pandemic most people worked in an office and commuted to work each day. As many employers have shifted to telework, the benefits have been demonstrated, in real time. Successfully transitioning to telework has created new opportunities for many employees to live and work from wherever they want long-term.

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## Make Your Community Safer