

## OVERVIEW

Taxi, trucking, courier or freight companies are generally privately operated businesses. Each company employs approximately 100 people each and is responsible for providing services in specific areas of a particular city, regionally or nationwide.

## CHALLENGES

Current systems have a number of challenges. As an example, should a passenger wants to order a taxicab, the controller has to notify the taxi driver by calling their mobile phone. But if the taxi driver happens to be occupied, the controller has to keep calling other drivers one at a time until he finds a driver available to accept the job.

The other main problem is the fact that controllers do not have a clear idea about the location of each vehicle in the city. This makes it difficult to find the closest available driver for the job on hand and can mean customers are unnecessarily delayed.

Logistics companies want to improve their efficiency of communications between central controllers and drivers and faster service for customers to reduce waiting times. Central controllers need to know the exact position and status of each vehicle, making their job easier and the service more efficient.

## SOLUTION AND VALUES

### **Hytera HyTalk System - Improve the efficiency, reduce passenger and client waiting times**

Smart Radio Systems provides a Push-to-Talk over Cellular (PoC) solution powered by the Hytera HyTalk technology platform to solve the communication issues facing the companies in these industries. The staff in the central station or warehouse are equipped with a Hytera PoC radio and a dispatching system, while each vehicle driver is also issued with a PoC radio.

When a job comes in, the controller initiates a group call over the dispatch system, which can be heard by all the drivers, to see who is available. In-built GPS technology enables the controller to see the location of each vehicle through the dispatching system and quickly assign the job to the nearest available driver. PoC provides all the advantages of private two-way radio systems but operates over existing cellular and WLAN networks to deliver wide area coverage. PoC supports one-to-one and one-to-many group calling.

# TAXI, TRANSPORT AND LOGISTIC SERVICES COMMUNICATION SOLUTION

## **PoC Radio - Making their job easier and the service more efficient**

The PoC solution has a number of advantages over mobile smartphones. For a start, the controller can group call all the drivers by simply pressing the dedicated push-to-talk (PTT) button, which will initiate a call much faster than a mobile phone. Mobile phones are also restricted to one-to-one calling. The audio quality of PoC radios is louder and clearer than mobile phones, as they feature a 2W professional speaker, which reduces audio distortion and background noise. The user interface of the PoC radios is simple and easy to use and drivers are not distracted by entertainment apps found on smartphones. The PoC radios also feature a high-capacity battery, which ensures drivers can continue to communicate throughout the length of a long shift.

Unlike a smartphone, a PoC radio is both rugged and durable, as it has IP55 levels of protection against dust and moisture ingress and it meets MIL-STD 810 G standards for shock, drop and vibration resistance.

## **RELATED PRODUCT SOLUTIONS**

### **Hytera HyTalk PoC System**

The Hytera HyTalk PoC System is a multimedia push-to-talk over cellular (PoC) communication platform that provides rich communication services including voice, video, data, and unified dispatch. With the Hytera HyTalk application installed on Hytera PoC radios, dual-mode rugged radios or bodyworn cameras, users can access PTT services through the public networks(3G/4G/5G) or WLAN.

### **Call with one button, nationwide PTT**

Talk by pressing one button with nationwide coverage, distance is not a problem anymore.

### **Versatile package, flexible tariff**

Each provisioning template with dedicated credits setting, defining various combination of services to meet requirements form users.

### **User classification, hierarchical authorization**

Hierarchical design for user model. Users of different levels perform their own duties, while users of the same level are independent of each other.

### **Stable system, rich services**

Supports real-time voice and video PTT service with unified monitoring, global positioning, hierarchical recording, visual dispatching, redundancy and load sharing capability.

### **Remote upgrade, smooth expansion**

Management of terminals via MDM to reduce maintenance cost.

## INTELLIGENT TERMINALS TO EMPOWER YOUR WORKFORCE

### Hytera MNC360 On-Board Mobile Radio



The advertisement features a dark blue background with a white truck on the left and a Hytera MNC360 mobile radio on the right. The radio has a screen displaying '12:00' and 'OK'. A blue lightning bolt icon is visible above the radio. The Hytera logo is in the top right corner.

**PoC Mobile Radio | MNC360**

Smart technology keep you safe on the road

- Over-speed alarm
- Fatigue driving alarm
- Prohibited operation in moving

[Learn More](#)

## Features

- Instant countrywide and cross-border PTT Private, Group and Emergency calling at the push of a button with zero call set-up time
- Incorporates both Voice and Video communications
- Text and Status messaging
- Voice recording and playback of all calls on all communication channels
- Remote-monitoring
- Live GPS location tracking and route-history playback
- Dynamic Geo-Fencing for prohibited areas
- Over-speed warning
- Driver Fatigue warning
- Connect an external Dash-Cam by USB – enables live video push and remote video pull

## Hytera PNC560 Dual Android 12 Smartphone/PoC Radio



### Features

- Instant countrywide and cross-border PTT Private, Group and Emergency calling at the push of a button with zero call set-up time
- Dual Domains – one for work use and one for private use
- Open API eco-system for customised third-party industry specific applications
- Incorporates both Voice and Video communications
- Text and Status messaging
- Voice recording and playback of all calls on all communication channels
- Remote-monitoring
- Live GPS location tracking and route-history playback
- Dynamic Geo-Fencing for prohibited areas
- Built-in Barcode and QR Code Scanner for logistics, warehousing and access-control

# TAXI, TRANSPORT AND LOGISTIC SERVICES COMMUNICATION SOLUTION

## Benefits and Values

- Huge savings on your cellular mobile cell phone bill
- Combine multiple systems into one smart device with one consolidated communication bill
  - Voice, video and text communications,
  - GPS and Geo-Location services,
  - Emergency call services,
  - Barcode and QR-Code scanning
- *Q: Why have your drivers and warehousing staff carry a separate cell-phone, two-way radio and barcode scanner on their person and why have a separate GPS location device fitted to your fleet of vehicles when we can supply you with an all-in-one device and system solution at one fixed monthly cost?*

**Keep your remote teams, drivers, fleet and cargo safer, more informed and your operations more efficient with a customised PoC communications solution from Smart Radio Systems.**