

Hytera

HALO Connect



Hytera HALO Connect

Unified Land Mobile Radio and
Push-to-Talk over Cellular
Radio System



Hytera HALO Connect is a communications platform that integrates different radio systems into a single wide-area radio network with instant group calling and location-based dispatching.

Expand the capabilities and range of existing radio networks by integrating Push-to-Talk over Cellular and other radio networks into a unified voice and video radio communications ecosystem.

Integrate. Coordinate. Communicate.

Integrate nationwide PoC and regional/local radio networks into a single unified platform

Coordinate workers and jobs with public safety grade dispatching and communication tools

Communicate instantly with nationwide groups of remote workers using rugged radios and bodycams

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Hytera HALO Connect integrates Hytera DMR Tier II and Tier III systems, third-party radio systems, and the HALO Nationwide Push-to-Talk over Cellular (PoC) network.

Hytera HALO Connect expands DMR radio coverage areas with the Hytera HALO Nationwide PoC network that uses the cellular LTE (3G/4G/Wi-Fi) network infrastructure of Mobile Network Operators.

Hytera HALO Connect provides an integrated radio ecosystem with individual and group communications between multiple systems.

HALO Connect System Integration

Hytera Systems:

- HALO Nationwide PoC network
- DMR Tier II and Tier III
- XPT
- IP Site Connect
- TETRA

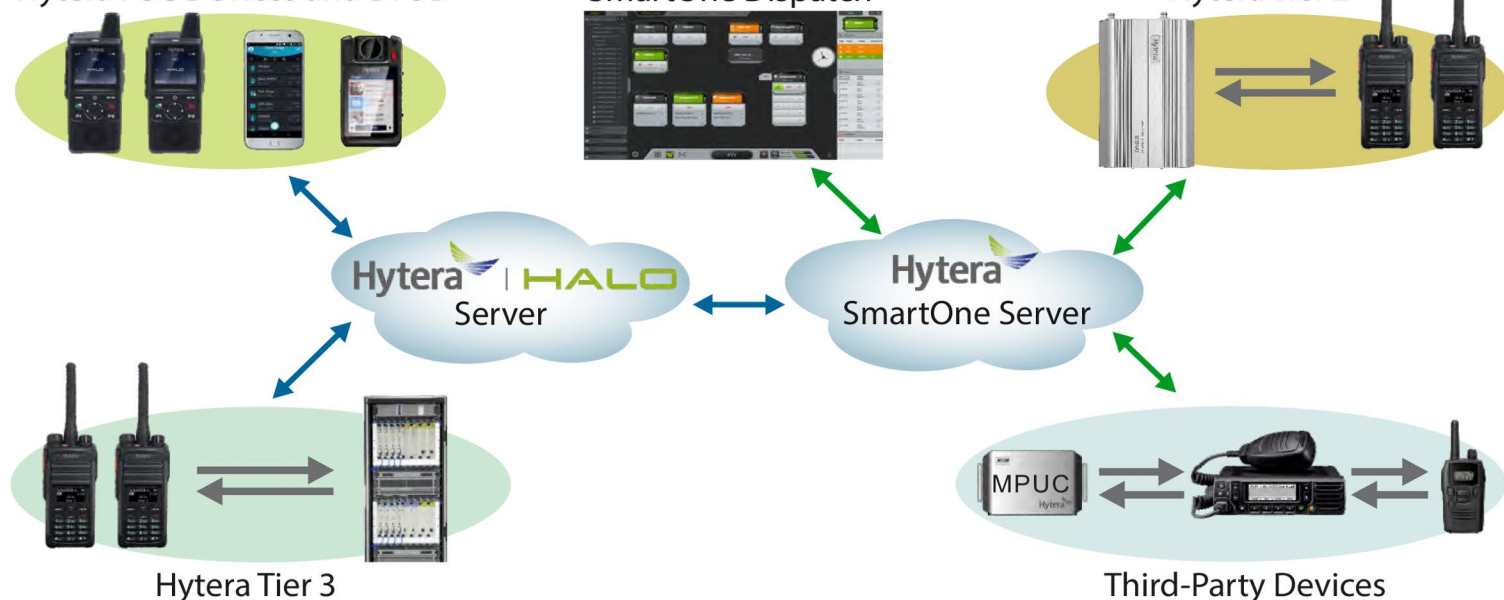
Third-party radio systems:

- P25
- NexEdge
- dPMR
- Legacy analog radio systems

Hytera PoC Devices and BYOD

SmartOne Dispatch

Hytera Tier 2



KEY FEATURES



UNIFIED COMMUNICATIONS

- Centralize operations by integrating different radio networks into a unified communications management platform
- Unified dispatching among different systems improves efficiencies and communication within large organizations



COST SAVING

- Eliminate the need for system-wide upgrades by integrating current radio systems with the HALO PoC nationwide network
- Maintain investments in existing radio equipment



GROUP AND INDIVIDUAL CALLING

- Instant nationwide voice and video group calling
- Supports individual calls, group calls, group patching, all call, broadcast calls, priority calls, emergency calls, conference calls, call monitoring, and ambience listening



REAL-TIME VIDEO CALLING

- Video conference with real-time video from Hytera VM780 Bodycams and cell phones running the HALO Android app
- Share videos between dispatch and remote users



DISPATCH APPLICATION

- Hytera SmartOne is the comprehensive integration platform and user interface for the HALO Connect unified radio network (see page 4)
- SmartOne provides a public safety grade dispatch application that supports comprehensive group and individual calling features
- Full call recording, logging, and playback of audio and video
- Provides real time location tracking with travel routes and time stamps for all GPS enabled radios

Application Example

In the application example shown below, a company has two large facilities at different locations, and each facility has a Hytera DMR radio system with XPT trunking to support the high number of users.

The company also needs radio communications for a mobile workforce that covers a wide area in and around both facilities.

By using HALO Connect, the existing XPT radio network is integrated with the Hytera HALO Nationwide Push-to-talk over Cellular (PoC) network to provide a unified wide-area radio network.

The SmartOne dispatch application enables communication with different groups of users across the different radio networks. Voice and video calling groups can be created that include different types of radios and networks, and users can belong to multiple call groups.

Typical Users and Groups

Types of Organizations	Typical Call Groups
School Districts and student transportation	Administration, teachers, maintenance, drivers, and security
Hotels and casinos with shuttle service	Managers, service staff, gaming staff, security, and drivers
Manufacturing, Industrial, and Logistics	Managers, line managers, shift leaders, and drivers
Non-Profits and Community Services	Managers, volunteers, and drivers
Retail Chains and Distribution	Store managers, retail staff, drivers, and warehouse staff
Manufacturers with retail (tires, paint, etc.)	Warehouse staff, store managers, and drivers

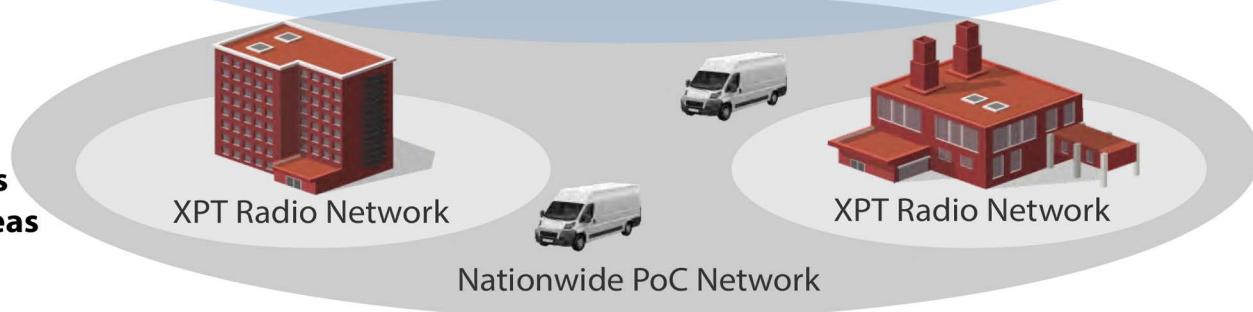
Devices on the HALO Connect System



Radio Users and Call Groups



Radio Networks and Coverage Areas



SmartOne



Hytera SmartOne provides public-safety grade dispatching and fleet management, group calling, voice recording, AVL, and camera monitoring.

SmartOne integrates several mobile radio networks into a single unified application with voice and video calling and dispatching. SmartOne allows radios from LMR and PoC networks to be dispatched and tracked within a single application. The powerful dispatching client allows the managers and dispatchers to quickly command all users in different networks with Simul-Select and Crosspatch capabilities.

Hytera SmartOne supports individual call, group call, group patching, all call, broadcast call, priority call, emergency call, conference call, monitoring and ambient listening.

SmartOne also includes a unified API interface for integrators to develop more flexible and customized applications for end users.

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