

Hytera

Connect HALO



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 (PoC), DMR, 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

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

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

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

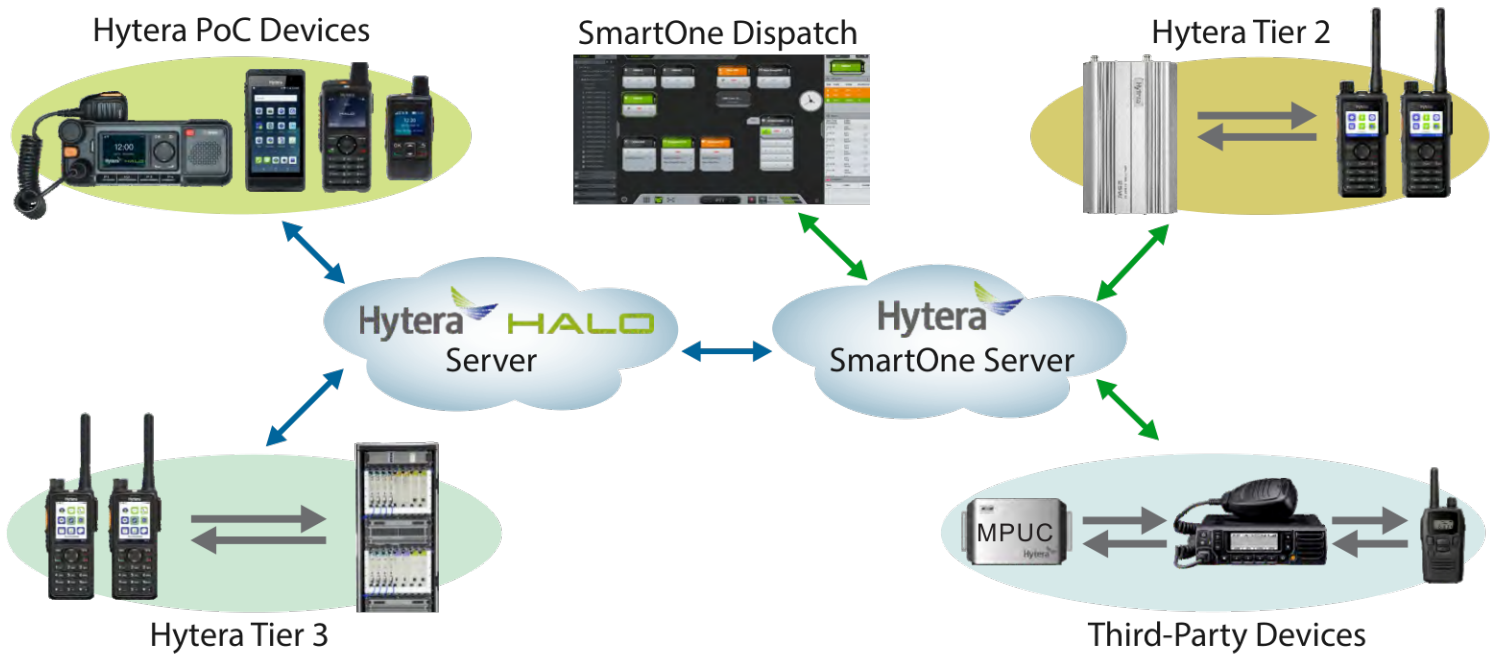
HALO Connect System Integration

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



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 Nationwide PoC 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 video capable devices 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.

By using HALO Connect, the existing XPT radio network is integrated with a 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
SMR Network Operators	Subscriber groups, SMR technicians
School Districts and student transportation	Administration, teachers, maintenance, drivers, and security
Manufacturing and Industrial	Managers, line managers, shift leaders, and drivers
Transportation and Logistics	Managers, shipping and receiving, warehouse, and drivers
Retail Chains and Distribution	Store managers, retail staff, drivers, and warehouse staff
Security	Managers, dispatchers, security officers
Healthcare	Security, nurses, administrators, EMTs

Devices on the HALO Connect System



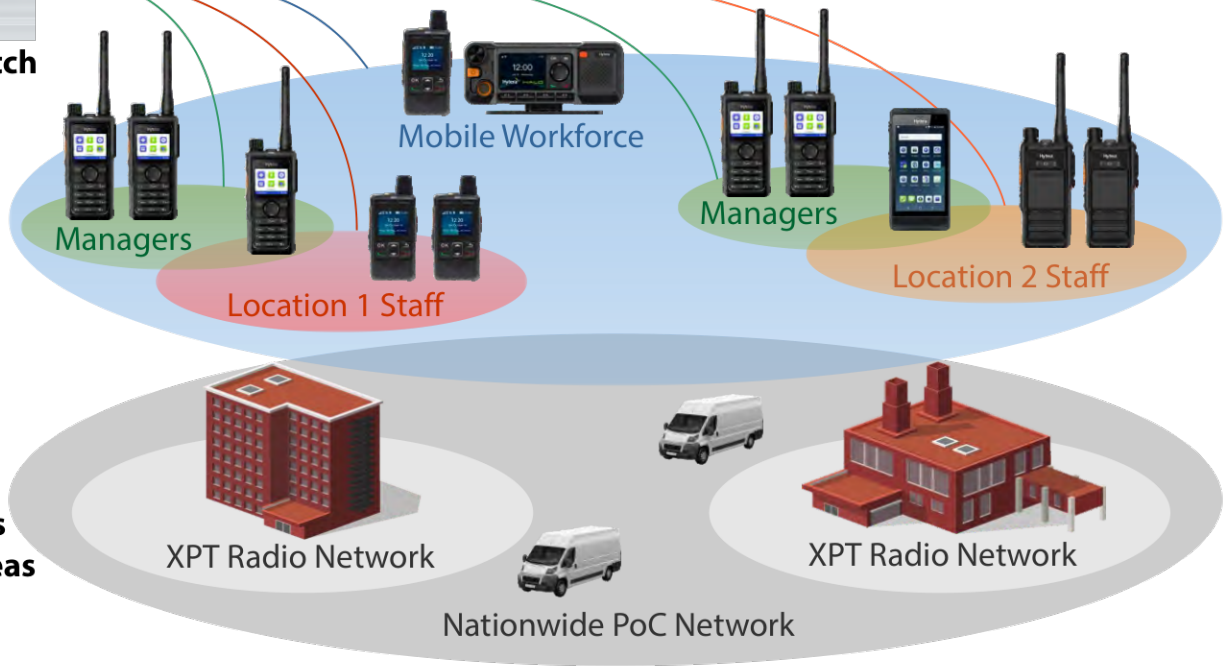
Hytera PoC Radios and Smart Devices



Hytera DMR Two-Way Radios



SmartOne Dispatch



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.



Hytera US Inc.

8 Whatney, Irvine, CA 92618
 1363 Shotgun Road, Sunrise, FL 33326
 (954) 846-1011
www.hytera.us
info@hytera.us

Hytera Canada

100 Leek Crescent, Unit 11
 Richmond Hill, ON IB4 3E6
 (905) 305-7545
www.hytera.ca
info@hytera.ca



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