

MISSION-CRITICAL PUSH-TO-X

Secure | Scalable | AI-Powered

Why MCX?

During a disaster, seamless communication among emergency services personnel is crucial to save lives and protect assets. Maintaining constant connection among responders, as well as sharing real-time images and videos, can improve the odds in critical situations. To fulfill this need, Samsung offers a game-changing solution with Mission Critical Push-to-x (MCX).

Powered by fully 3GPP compliant technologies, Samsung MCX provides highly secure, high-performance, and resilient mobile broadband services, beyond the capabilities of LMR. By partnering with service providers and system integrators, we facilitate the digital transformation for Public Safety and Critical Infrastructure industries.

MCX Client

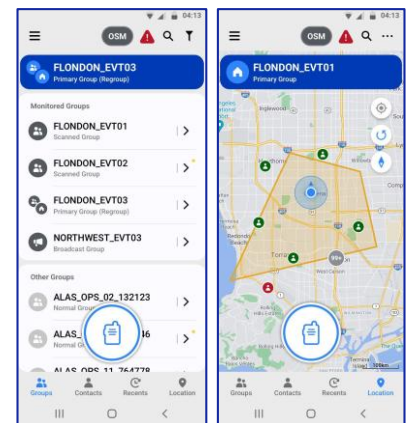
Smartphone, Rugged & Tablet compatible
Highly secure, intuitive, minimal latency, crystal clear audio

Designed to perform MCX functions optimally on a wide selection of devices and OS.

Engineered to minimize end-to-end latency, ensure high audio quality, manage background noise and echo.

Compatible with various authentication mechanisms optimizing security and facilitating inventory management.

The Samsung certification program ensures devices and accessories deliver reliable performance across all conditions of duty.



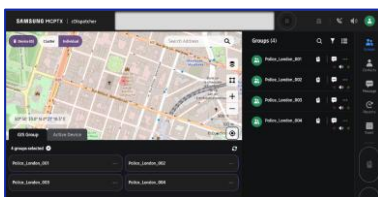
MCX Client: Groups

Location services

MCX Web Dispatcher

Advanced control center. Floor control. Recording.

All the Push-to-X functions with enhanced floor control and calling capabilities (e.g., broadcast, multiple group patch), group management and location services. Automatic recording and on-demand replay of all calls, events, messages.



Web Dispatcher: map and groups

MCX Admin Solutions

Highly scalable and comprehensive provisioning
Multiple admin roles. Advanced record keeping.

Multi-level administration and role-based access for system, UO, and Fleetmap administrators to manage multiple agencies and share or pool personnel before and during operations. Intuitive dashboards streamline the assignment of users, groups, and services at scale.

Secure recording, storage and retrieval of MC-data to manage all media created and shared through the MCX system.



MCX Admin: Dashboard



MC-Data store, Recording

KEY CAPABILITIES

- Voice, video, data (group/emergency/1-1)
- Custom priority levels (Users and Groups)
- GIS (Location services)
- Advanced Fleetmap management
- Interworking function with LMR (P25, TETRA), PSTN
- APIs & SDK integration (3rd party applications)
- 3GPP Standards Leadership (6x 3GPP Excellence Awards)
- 5 decades of innovation

OPERATIONAL AWARENESS PLATFORM (OAP)

Connect | Understand | Act



THE CHALLENGE

Manual monitoring and fragmented data delay access to critical information and limit situational awareness.

Critical information is...

disconnected
fragmented
delayed

Samsung OAP

THE GOAL

Smart automated monitoring deliver operational insights and enable augmented response.

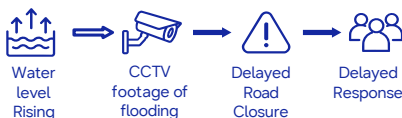
Critical information is...

available
coherent
real-time

REAL-LIFE SITUATIONS: scattered data, delayed access prevented situational awareness

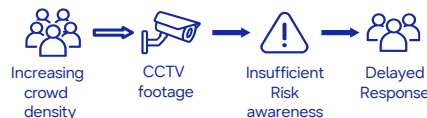
Urban flood

Critical information existed but not shared in time



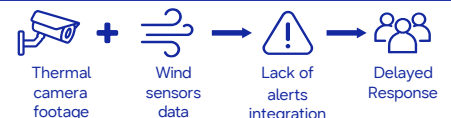
Crowd crush

Real-time awareness and early warning were insufficient



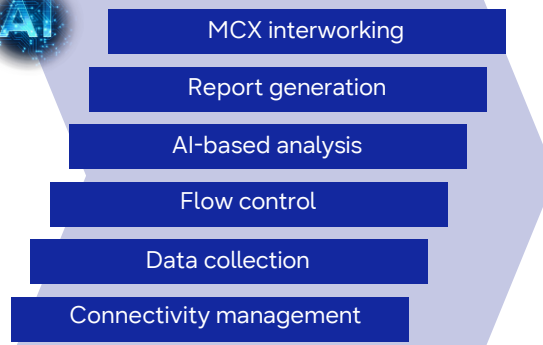
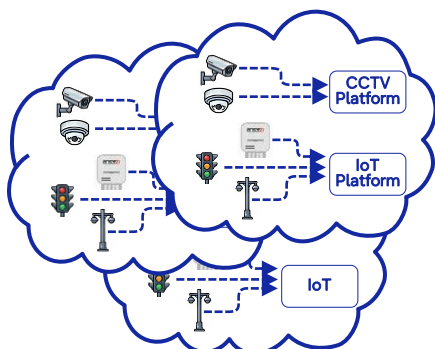
Wildfires

Scattered data, limited situational understanding



HOW OAP WORKS: move from fragmented alerts, untapped data to coordinated responses

Public / Private service networks



Public Safety Organizations



KEY CAPABILITIES

- 24/7 multi-center collection
- Real-time AI detection
- Automatic alerts delivery to MCX responders
- Multi-technology platform
- Multimedia information
- Highly scalable