MissionX: Saves lives. Protects properties. Connects communities.

Safety critical operations are undergoing a major shift. For decades, emergency services relied on voice-only LMR systems, limiting coordination across agencies. Today, growing operational complexity requires broadband capabilities.

Critical communications need secure and future-proof multimedia technology.

With 4G/5G and 3GPP Mission Critical Services (MCX), organisations can deploy hardware-vendor-independent, cross border voice, data, and video communications, unlocking seamless, real-time collaboration and true multimedia for emergency services. Frequentis' MissionX unifies voice, data, and video in a single 3GPP standard-compliant MCX portfolio for public safety, disaster relief, heavy rail (FRMCS), critical infrastructure, security and industrial operations. Operating across public, private, and hybrid 4G/5G networks, MCX ensures reliable communication and real time situational awareness for control rooms and first responders. MissionX represents an open ecosystem where each component of it becomes interchangeable – supporting diverse devices, fast integration of third-party applications, making use of 4G/5G infrastructure, and enabling interconnectivity with other MCX system brands. It supports a smooth transition from LMR technologies such as TETRA, TETRAPOL, P25, DMR, and GSM-R, to a modern, fully interoperable MCX ecosystem.

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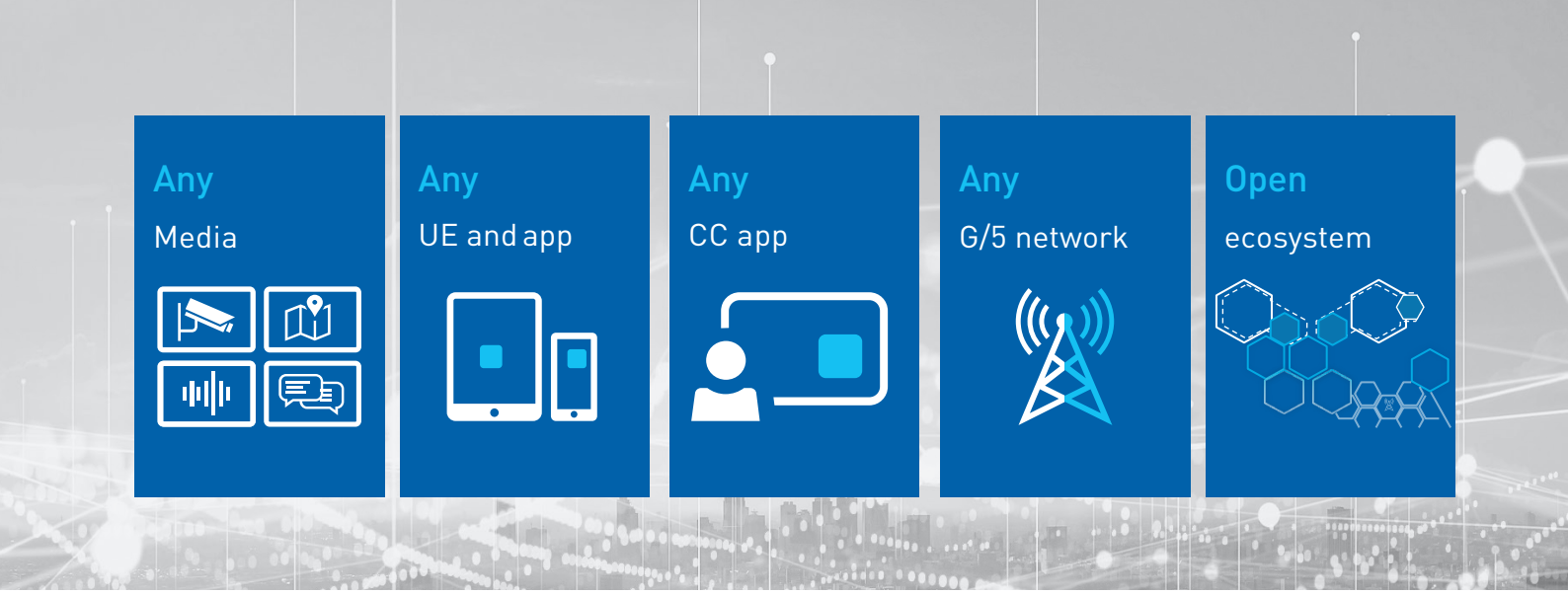
FOR A SAFER WORLD



Enabling an open, interoperable MCX ecosystem

Holistic operational model

MissionX supports the complete communication chain, from the initial emergency call to coordination in the control room and collaborative work in the field. Its configuration and management tools allow organisations to adapt workflows quickly and independently, ensuring smooth operations as needs evolve.

Interoperability and interworking

MissionX is built on the open 3GPP MCX standards and has been proven in multi-vendor, multi-country trials. It can be seamlessly federated across agencies, countries and even other vendors' competitor MCX systems to support joint operations, cross-border responses and interoperability with existing LMR networks.

Any app, any user equipment, any core

MissionX' modular architecture lets agencies pick and place the MCX apps, devices, and backend services that best fit their mission needs. Certified SDKs accelerate development and ensure compatibility while preserving vendor independence.

Ability to choose and avoid vendor lock-in

With proven and certified open interfaces and standardised APIs, MissionX seamlessly integrates third-party clients and control room solutions, giving agencies the freedom to choose the tools that fit their operational and financial needs. Our open ecosystem goes even further by enabling interoperability across MCX systems, IMS platforms, devices, applications, and networks, making true multi-vendor, multi-agency collaboration possible.

Lower total cost of ownership

An open ecosystem allows flexibility, encourages competition, reduces dependence on proprietary technology, and enables cost-efficient scaling and life cycle management, by threat of replacement. We deliver the flexibility to run MissionX anywhere, from ultra-compact deployments on minimal infrastructure – such as a single-site edge setup – to fully automated, large scale cloud-native container platforms.

Reliability and robustness

MissionX enables a safe, step-by-step migration from legacy systems, delivering high availability and secure voice, video and data services over broadband networks. Agencies can modernise without disruption, maintaining a consistent user experience throughout the transition, whether through a simple hardware link, a standards-based interworking function or migration via our control room solutions.

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