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UC-CITIES-3--SECURITY COORDINATION

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6G-Path



6G-PATH project has received funding from the Smart Networks and Services Joint Undertaking (SNS JU) under the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101139172.

01

MCX for PPDR Scenarios

05

Use-Case Outcomes

02

**Use-Case Context and
Definition**

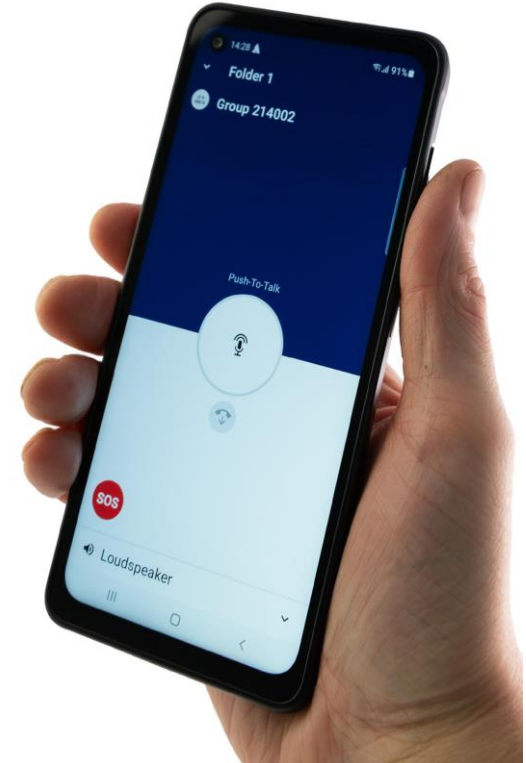
03

**PPDR Use-Case
Objectives**



How to Overcome PPDR Scenarios ?

Help people stay safe and protected.



How to leverage new capabilities in MCX ?



Embrace new advanced communication features

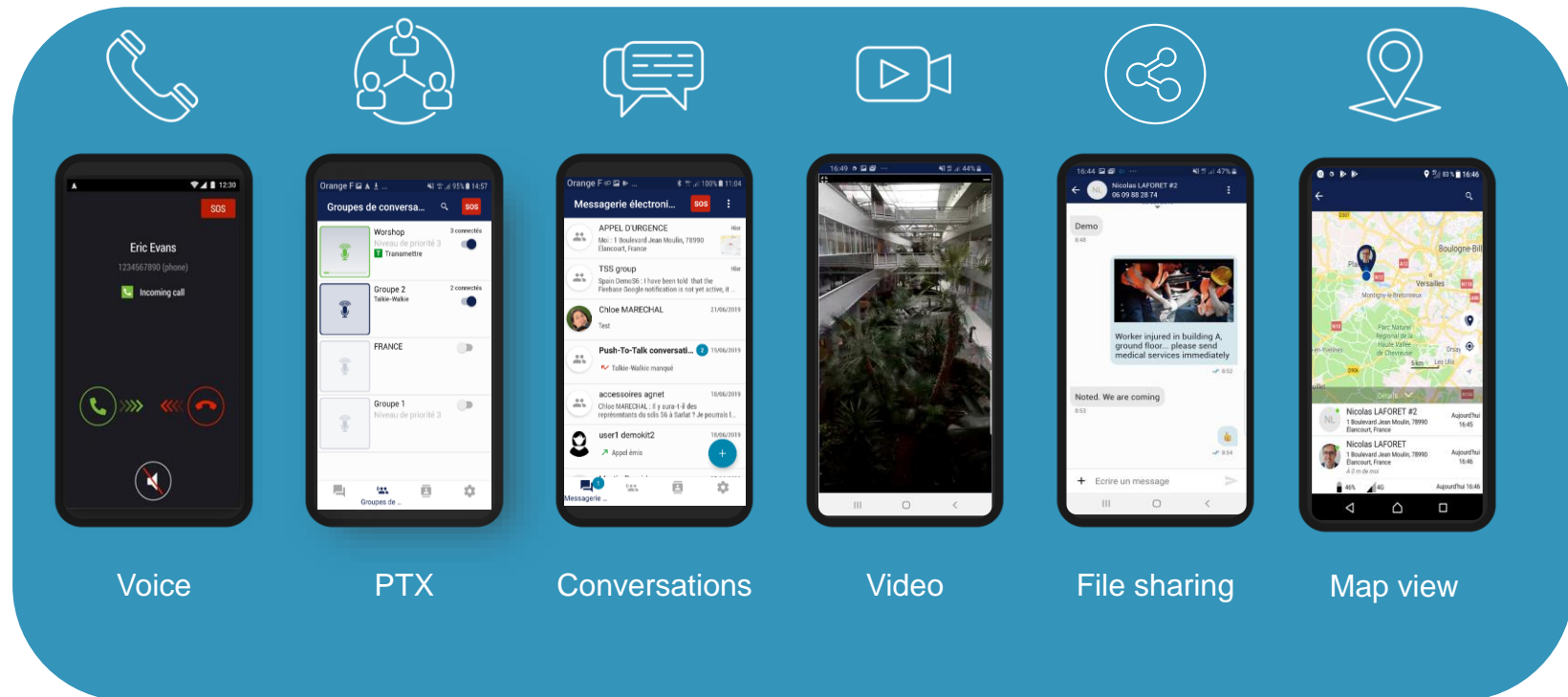
Improve interoperability

Optimize network deployment

Enhance safety features

Customize user experience

MCX Features and solutions provided by Agnet



Voice

PTX

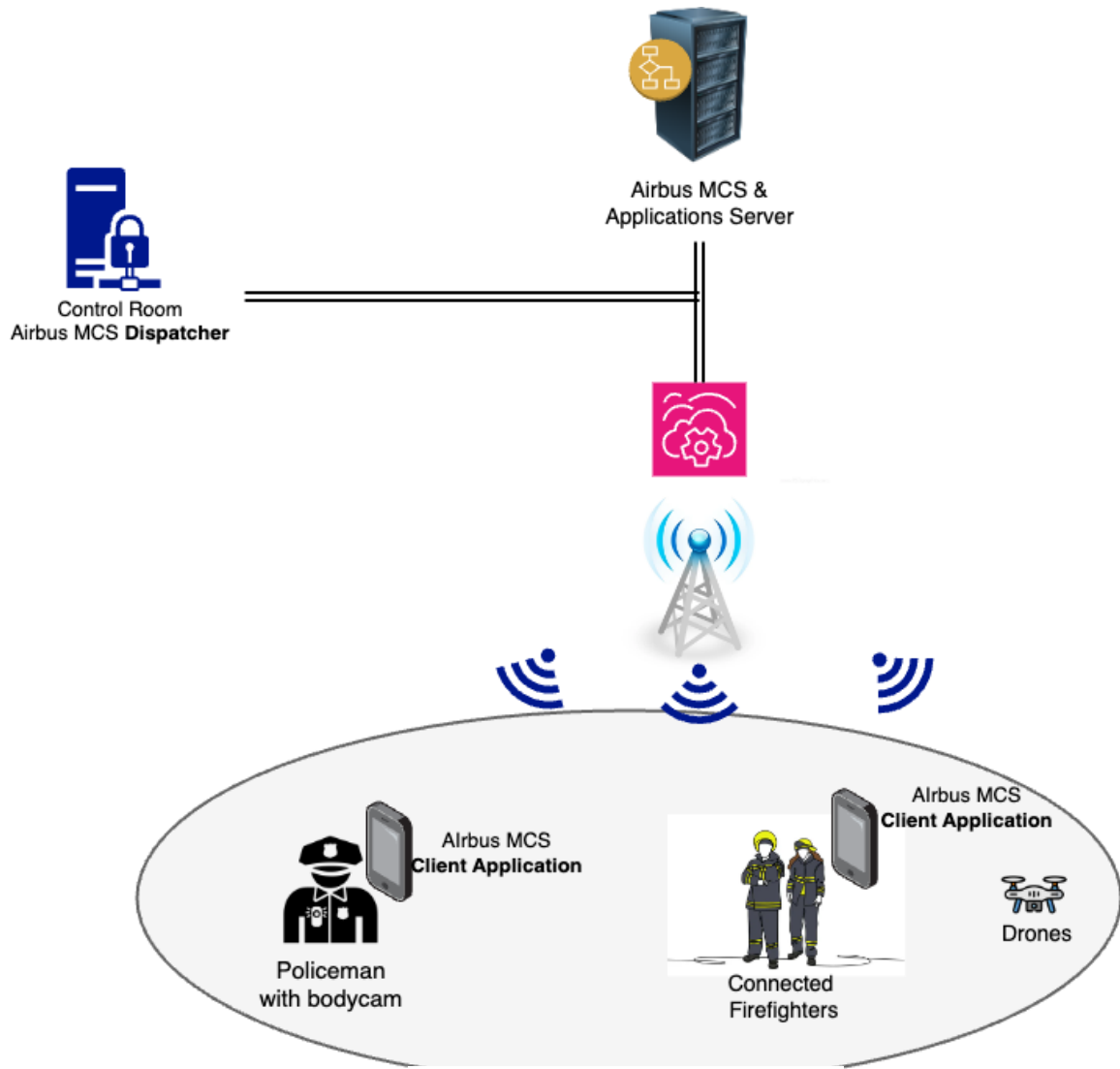
Conversations

Video

File sharing

Map view

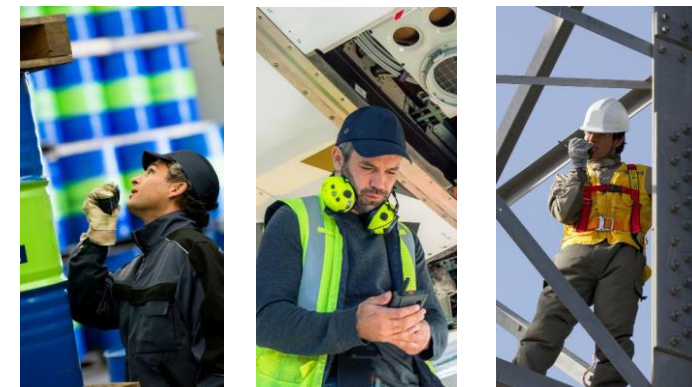
Use-Case Context and Definition



Mission Critical Communication Platform

Various first responders are involved in a same PPDR scenario

Redundancy and Resilience



Security Coordination

PPDR Use Case Objectives



Leverage Advanced 5G and 6G for secure, efficient and cost effective Public Safety Solution

- Guarantee latency and high availability for end-users through our MCX platform
- Coordination of First Responders in the same PPDR mission
- Guarantee agility and scalability of the MCX platform
- Ensuring the redundancy of MCX services



Use-Case Expected Outcomes



- Rapid backup arrival and deployment of new first responders facing a given PPDR scenario
- A clear understanding of the situation by first responders and the dispatcher before arrival, thanks to the shared information feeds
- Dispatching of appropriate and only necessary resources based on the severity of the situation we face
- Enhance first responders' safety using shared information in real time

KPIs Assessment

Sub-scenario	KPI name	Description	Objective
Application Performance	Mouth to ear latency	This is the one-way delay from speech entering the microphone to emanating from the recipient's speaker.	<200 ms
Application Performance	high throughput	Data throughput	>3Gbps
Application Performance	User density	Total number of connected devices per unit area	1 000 000/Km ²
Application Performance	positioning/Localization	Position/localization accuracy	<1m (6G-1cm in 3D representation)
Application Reliability	Reliability	Reliability relates to the capability of transmitting a given amount of traffic within a predetermined time duration with high success probability	99,999%

Thank you for Attention

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