

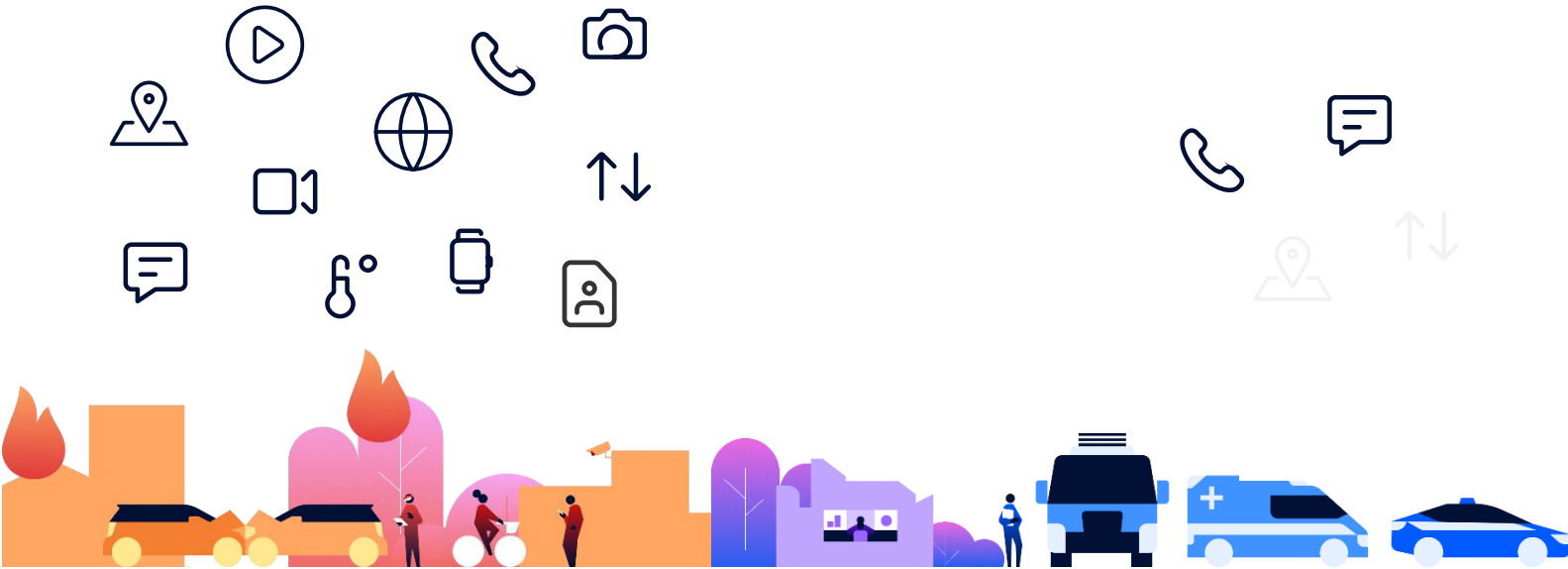
The background image shows two firefighters in full protective gear, including helmets and jackets with reflective stripes. One firefighter is pointing towards the left, while the other is holding a rugged tablet computer. The scene is set in a smoky, dimly lit environment, possibly a fire scene, with a bright light source behind them creating a halo effect.

NOKIA

Public Safety Solutions and future 5G/6G capabilities

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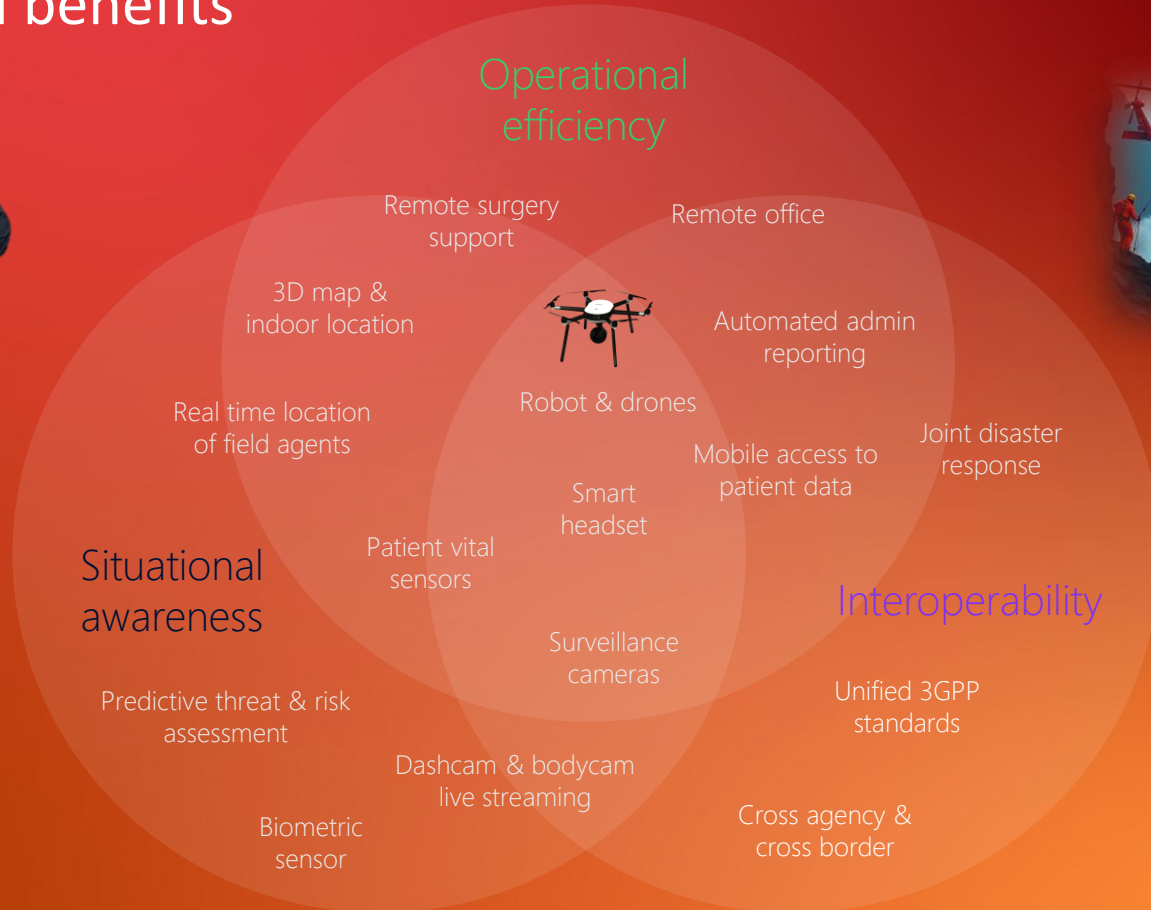
Closing the gap between commercial and Public Safety networks



Broadband Commercial Networks

Broadband Mission Critical Networks

Use cases and benefits



Solutions

Network roaming

Quality of Services
Priority
Pre-emption

MCPTx

Deployables &
backpacks

Wireless Access
Backhauling

Device-to-Device
5G NR Sidelink

Small cells & Distributed
antenna systems

High Power User
Equipment

Non-Terrestrial
Networks

Isolated Operations
for Public Safety



Looking ahead

6G allows the network itself to sense the crisis, map it in 3D, and coordinate autonomous robots to assist before a human ever arrives

Seamless Non-Terrestrial Network (NTN) Integration

- native integration with Low Earth Orbit satellites and High-Altitude Platform Stations, e.g. drones or balloons

X-Ray vision via Integrated Sensing & Communication (ISAC)

- Seeing through smoke and walls - 6G networks can "map" a room without cameras.

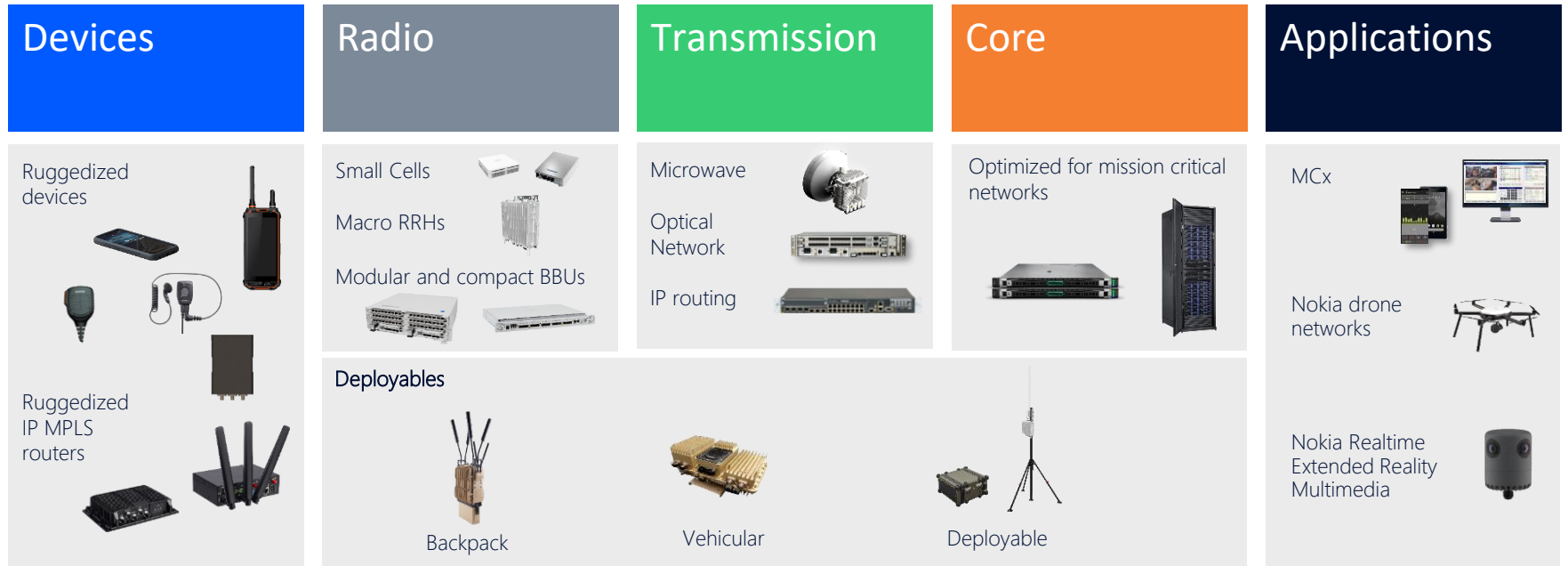
Immersive Command Centers

- Support for spatial computing and holographic communication at extreme data

Precise positioning

- Information on positioning with accuracy down to centimeters.

Main Network elements



Planning and optimization, implementation and integration, network management and care services