

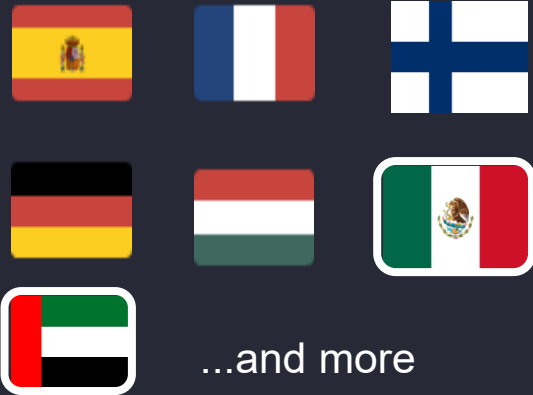
Narrowband to Broadband Critical Communications for Enterprise

Rhys Clare
Airbus ANZ Sales Manager
ACCF/TCCA Director

AIRBUS Public Safety and Security

We accompany our customers in their transition from narrow to broadband providing them with end-to-end secure and cyber-resilient mission critical collaboration solutions and services.

Nationwide authority networks:



...and more

Applications, devices and solutions for authorities in more than 80 countries

European #1

Critical Communications

20+

delivered nationwide mission critical networks

300+

Networks for local authorities and business critical

3M

daily users
80 countries

100+

Metro lines

4

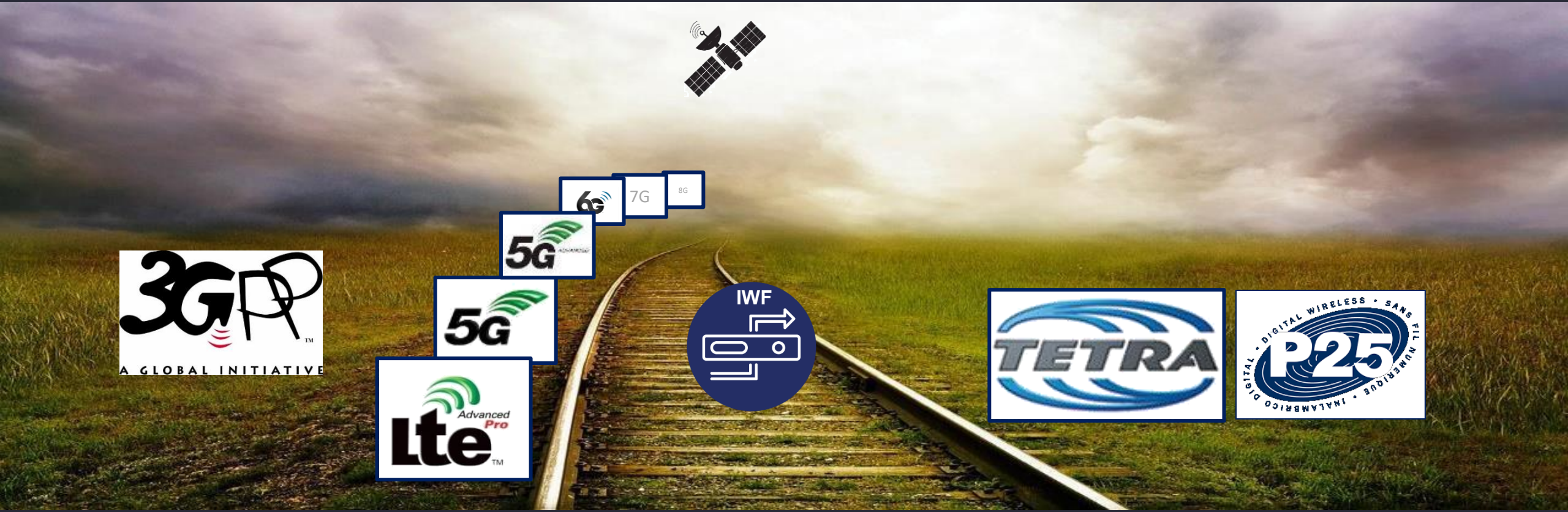
Olympic Games supported during the past 20 years

40+

Years



Continuous Mission and Business Critical Technology Evolution



ARAMCO – Oil and Gas Leaders

aramco



ARAMCO is the worlds largest Oil and Gas company, based in the Kingdom on Saudi Arabia (KSA), operating land and sea operations with 100s Oil and Gas field sites



aramco
digital



ARAMCO DIGITAL, technology subsidiary and digital transformation arm of ARAMCO, focusing on AI, Cyber, IIOT, Industrial 5G building a digital eco system

AIRBUS TETRA to AIRBUS MCX / TETRA

ARAMCO operates over 150 sites using
AIRBUS Tetra, 25k+ of ATEX Terminals

ARAMCO's aspirations is deliver industrial connectivity across KSA, operating Critical Communications Broadband networks supporting Voice, Health and Safety, expanding out operational requirements with Video and Data, investing in 450mhz Private Broadband



LEAP 2025 Announcement of Aramco Digital & Capgemini



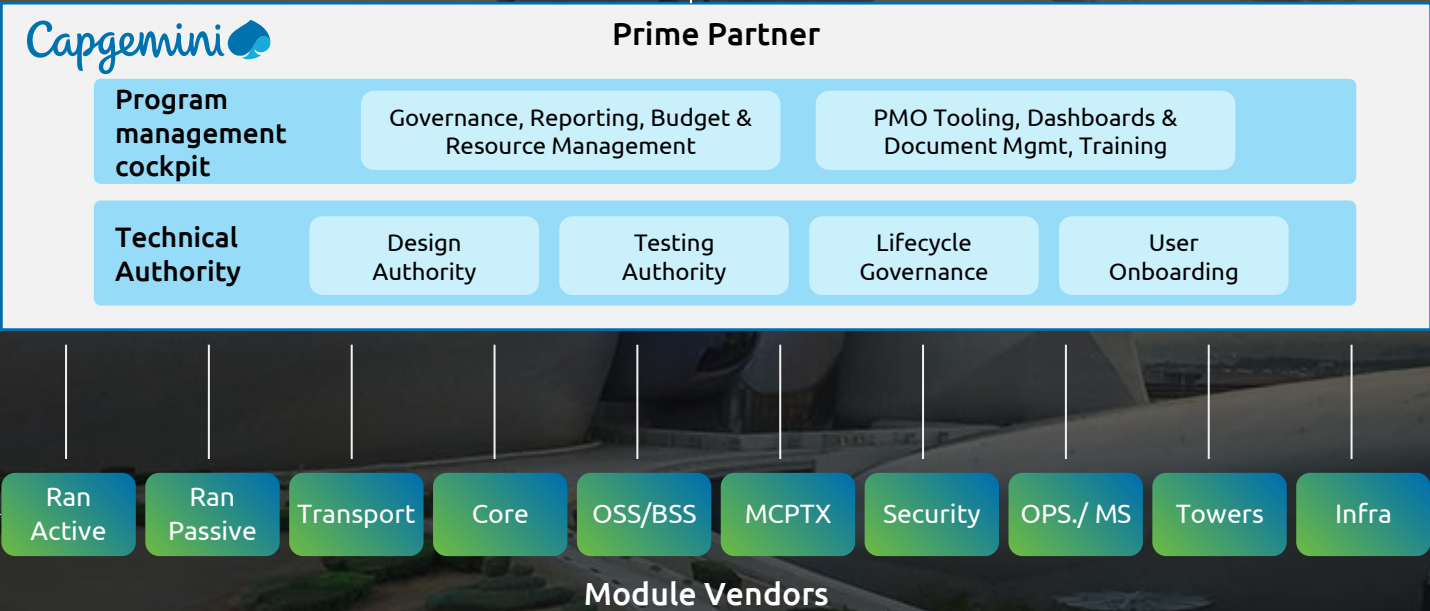


CAPGEMINI SELECTED AS THE PRIME PARTNER

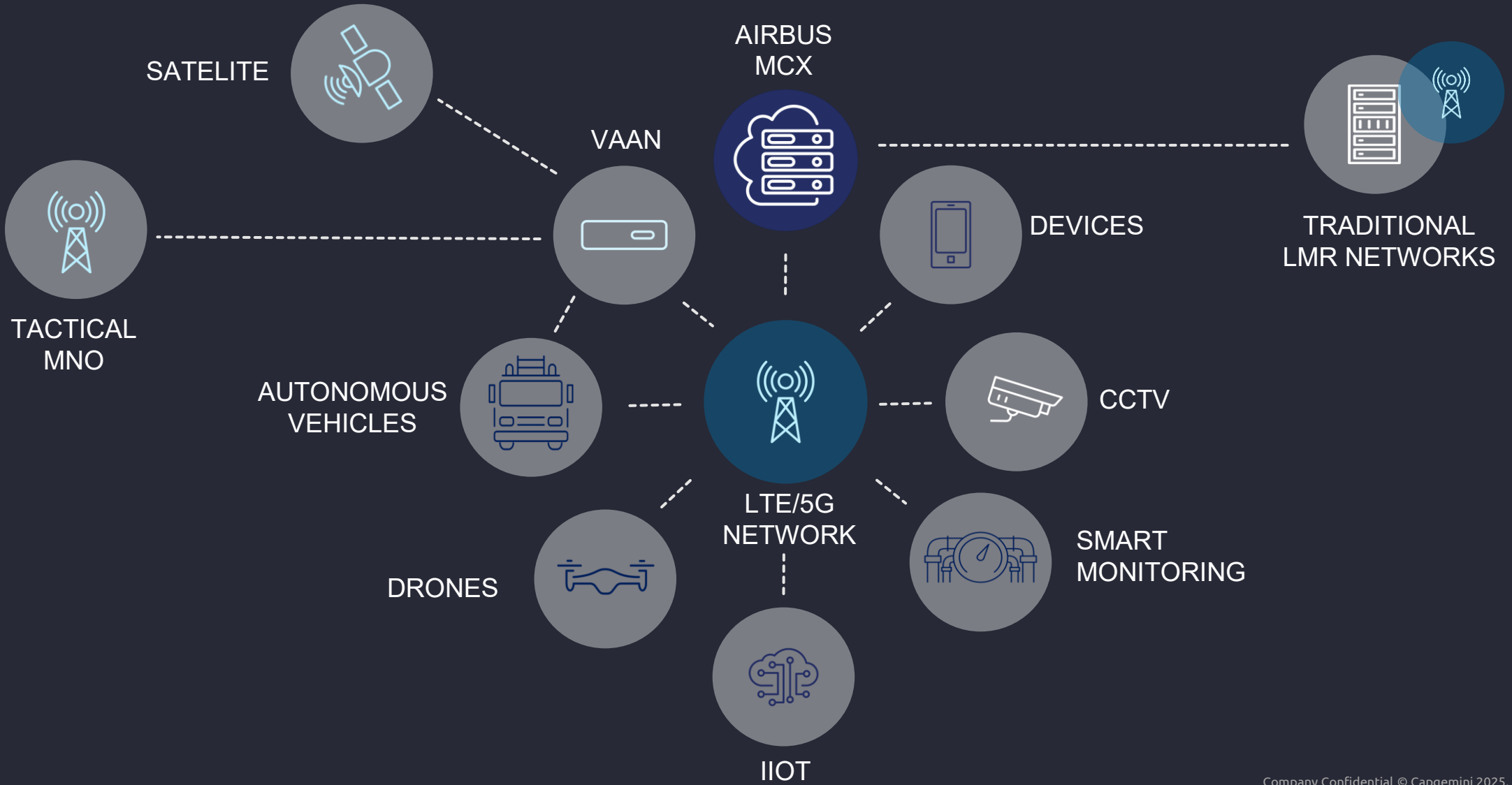
ARAMCO DIGITAL intends **to design, deploy and operate a specialized radio network in the 450 MHz spectrum** band across KSA. With this 5G MCX network, ARAMCO DIGITAL plans to:

- 1) Address the mission critical & industrial connectivity use cases at Aramco sites across KSA
- 2) Expand with specialized mobile connectivity services for B2B clients across the Kingdom.

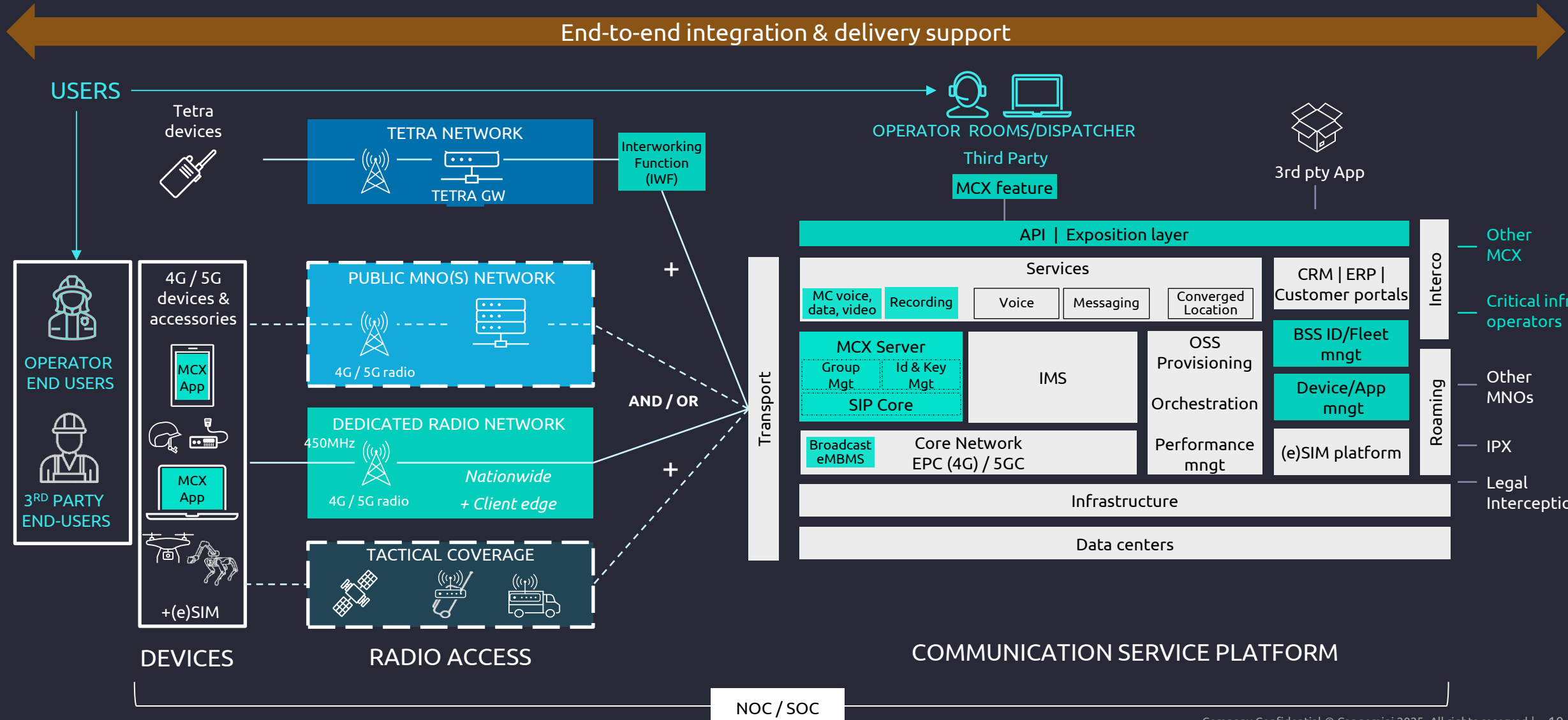
CAPGEMINI SELECTED AS THE PRIME PARTNER



Hub & Spoke – Return on investment



BROADBAND CRITICAL COMMS ARCHITECTURE



Agnet TETRA STRATEGY TOWARDS OPEN ECOSYSTEM



TETRA integration

Focus on essential TETRA functionalities on smartphones to ensure voice communication and system interoperability



Multimedia expansion

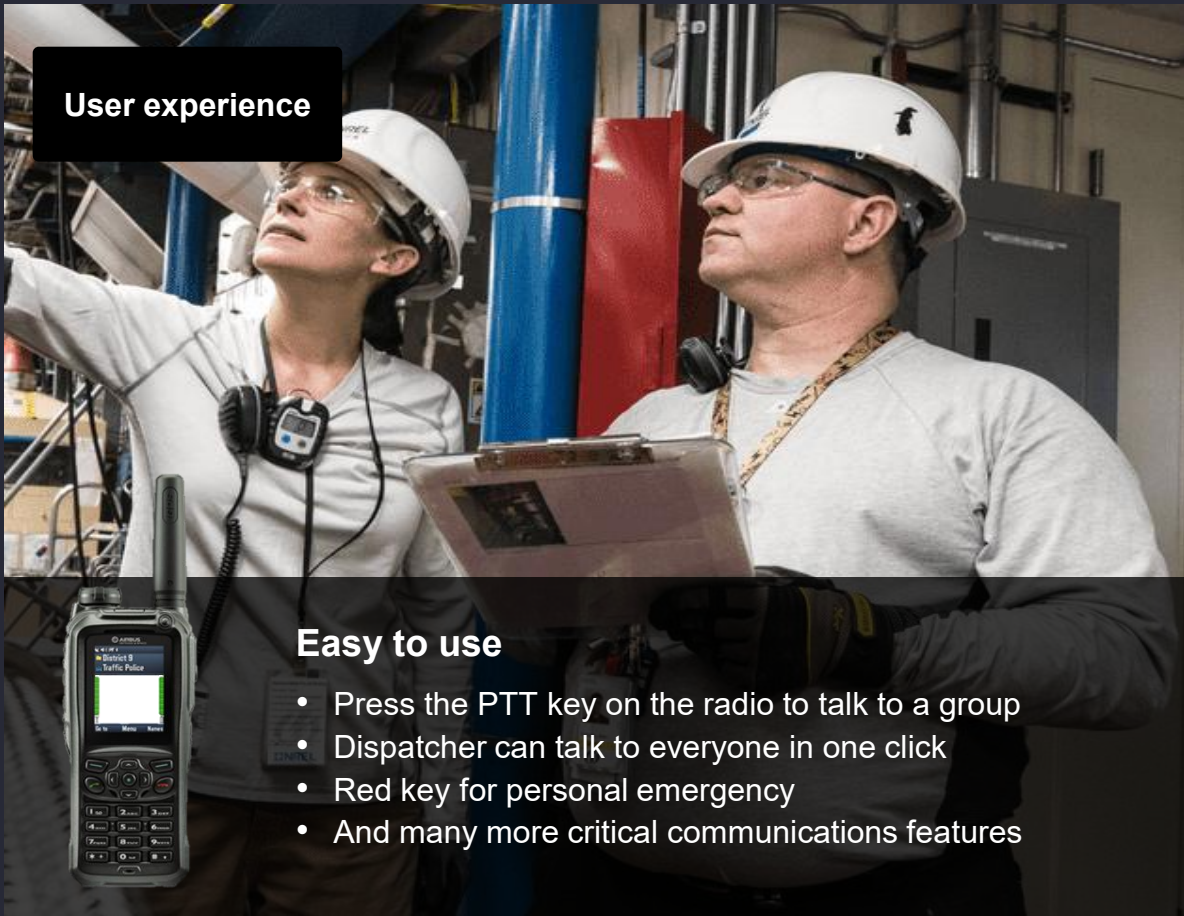
Integrate value-adding multimedia features with optional activation based on customer requirements



3GPP MCX alignment

Ensure product evolution aligns with 3GPP MCX standards to enable future-proofing and scalability

Start – TETRA Radio Communications



User experience

Easy to use

- Press the PTT key on the radio to talk to a group
- Dispatcher can talk to everyone in one click
- Red key for personal emergency
- And many more critical communications features

Dynamic user management

Tactilon Management

Control room and dispatching

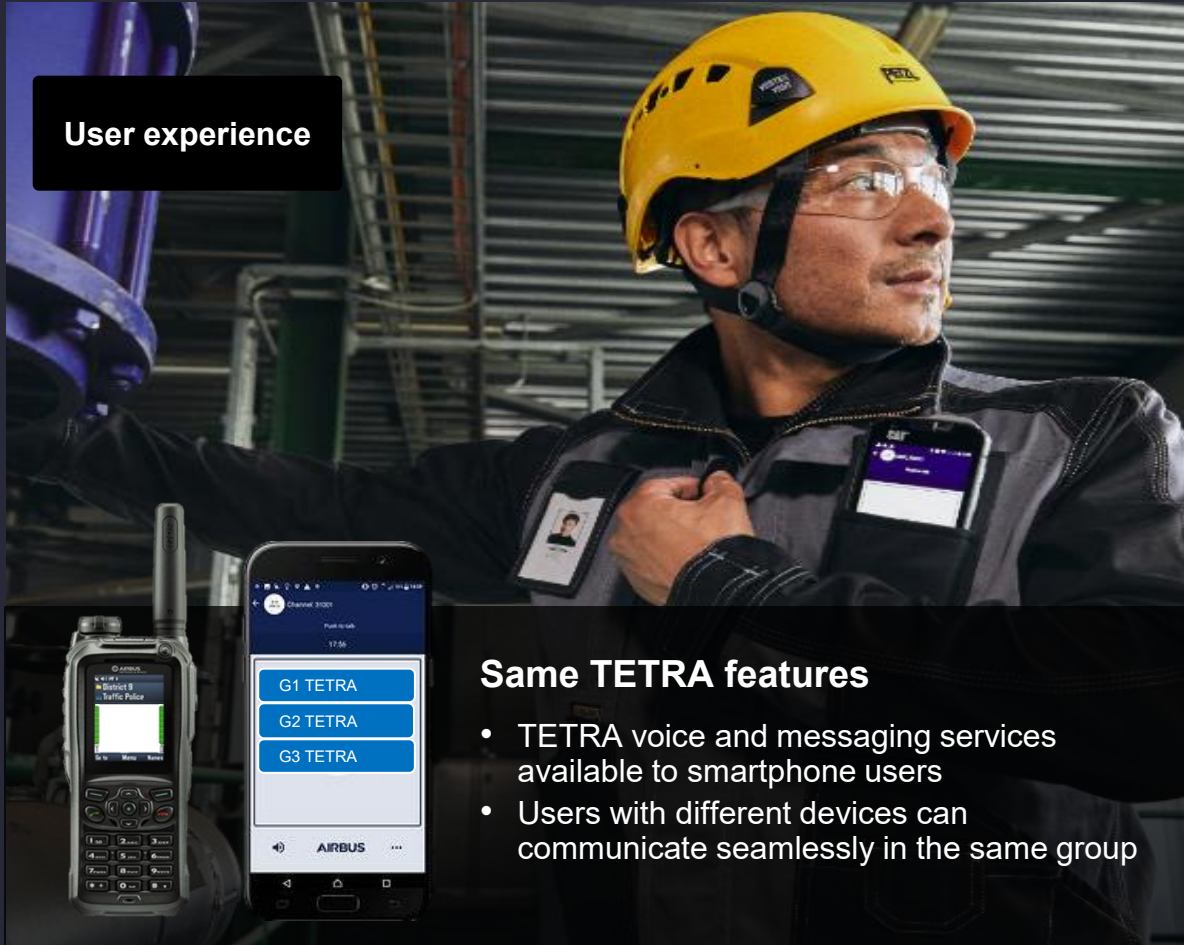
TCS API

TETRA applications

Scalable and reliable

- From local to large-scale nationwide networks
- Commitment to ongoing R&D on TETRA systems for years to come

Step 1 – Hybrid with TETRA Broadband



User experience

Same TETRA features

- TETRA voice and messaging services available to smartphone users
- Users with different devices can communicate seamlessly in the same group

Dynamic user management

Tactilon Management

Control room and dispatching

TETRA Connectivity Server API

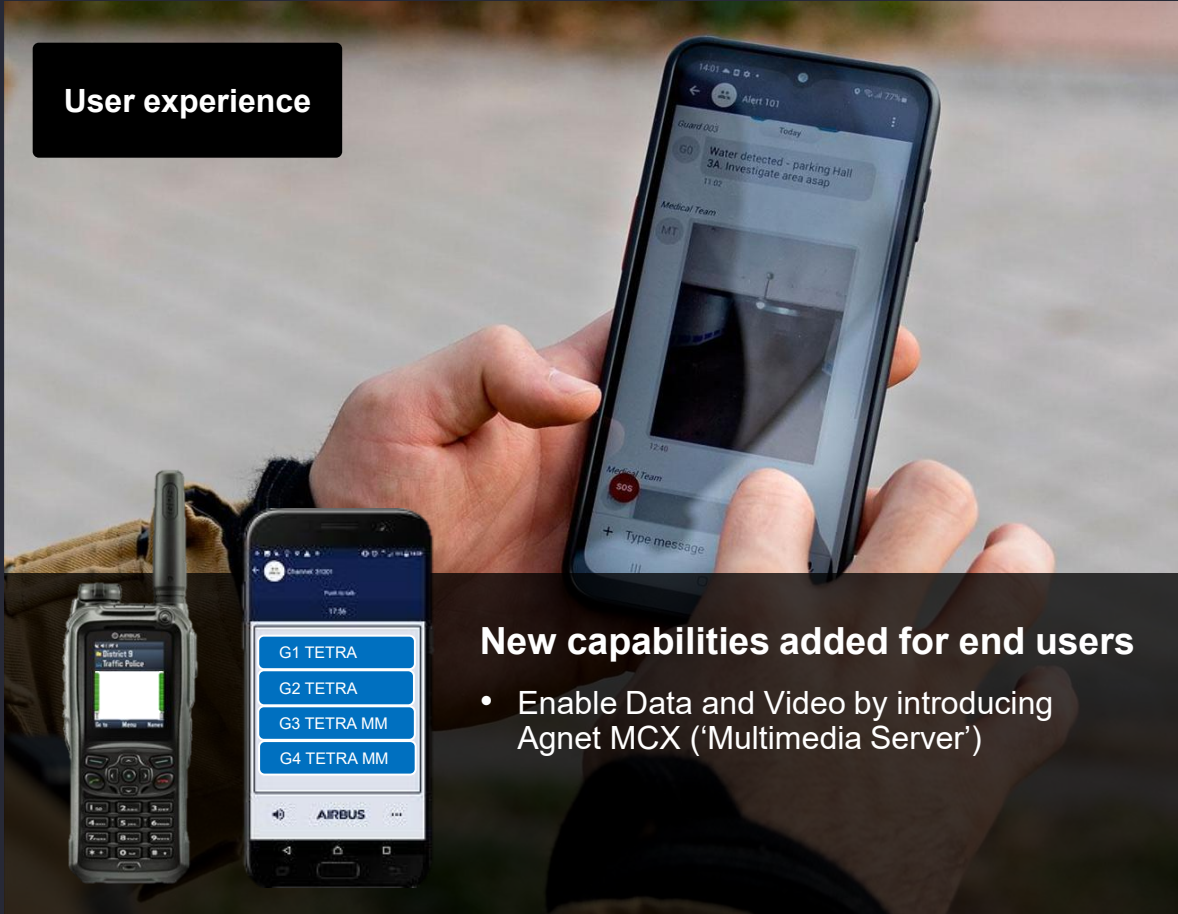
TETRA applications

No changes to existing processes and tools

- Unified user and network management
- No changes required to control room applications

Select broadband connectivity and suitable devices

Step 1 – Add Multimedia Services



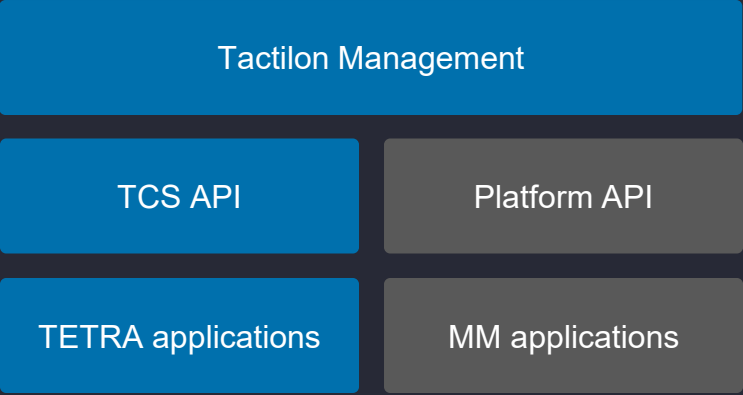
User experience

New capabilities added for end users

- Enable Data and Video by introducing Agnet MCX (“Multimedia Server”)

Dynamic user management

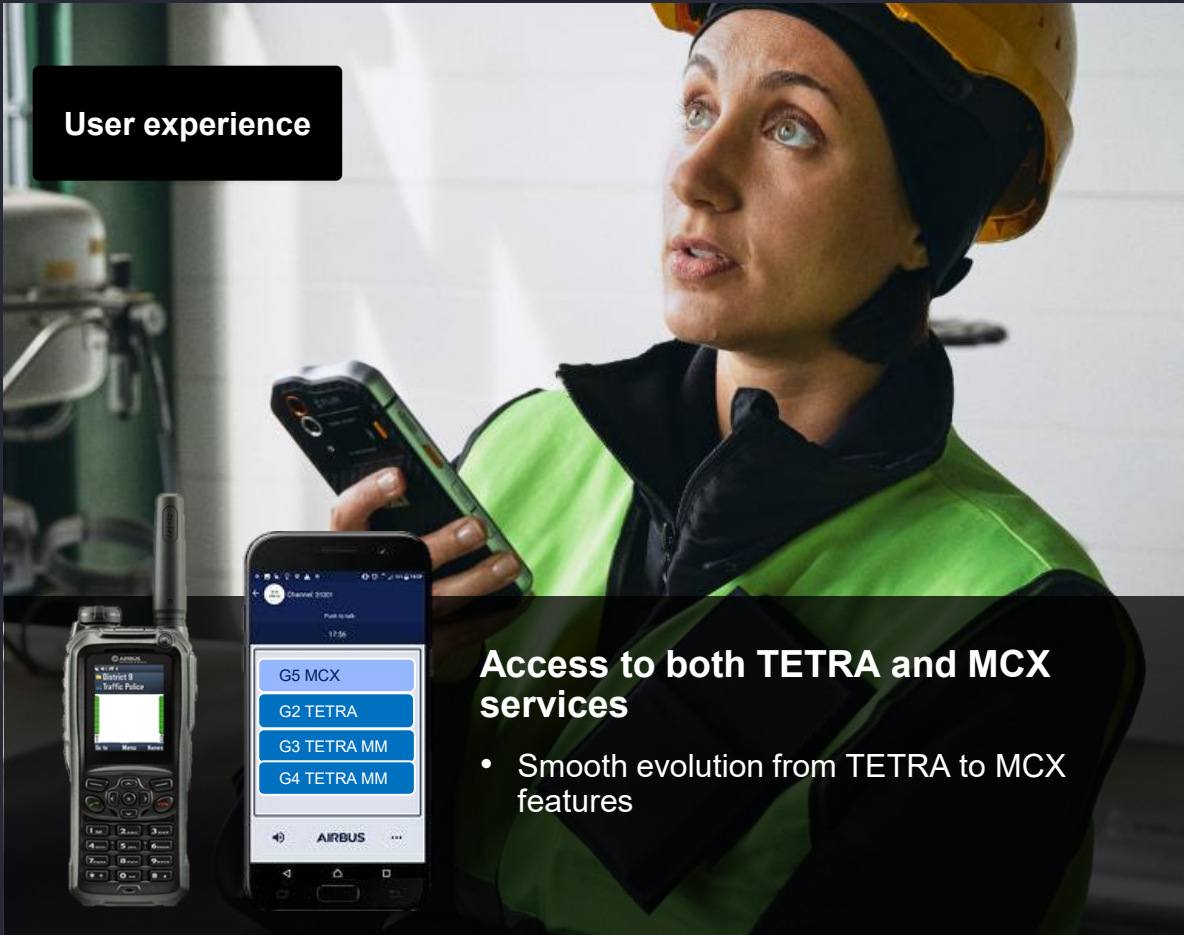
Control room and dispatching



Complement existing TETRA services

- Independent MCX evolution
- Keep unified user and network management
- Possibility to start control room application evolution

Step 2 – Mission Critical Voice from TETRA to MCX



User experience

Access to both TETRA and MCX services

- Smooth evolution from TETRA to MCX features

Dynamic user management

Tactilon Management

Control room and dispatching

TCS API

MCX API

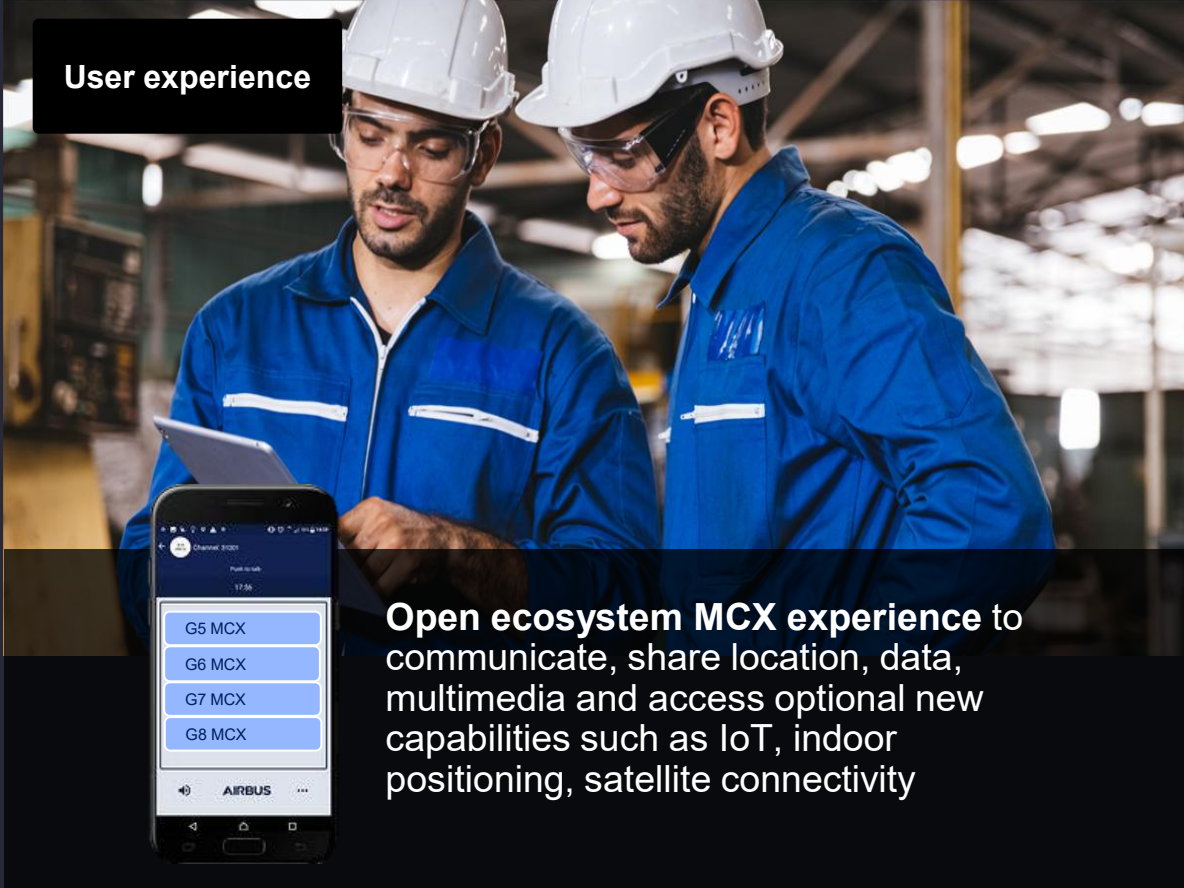
TETRA applications

MCX applications

Flexible, seamless and easy migration of TETRA services

- Talk group per Talk group
- Legacy control room applications can still be used
- Transition controlled from unified Tactilon Management
- Start migration of control room applications

Step 3 – Full Transition to 3GPP MCX



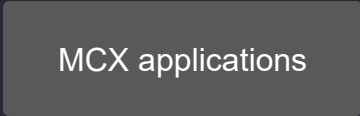
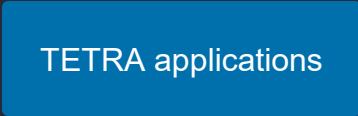
User experience

Open ecosystem MCX experience to communicate, share location, data, multimedia and access optional new capabilities such as IoT, indoor positioning, satellite connectivity

Dynamic user management



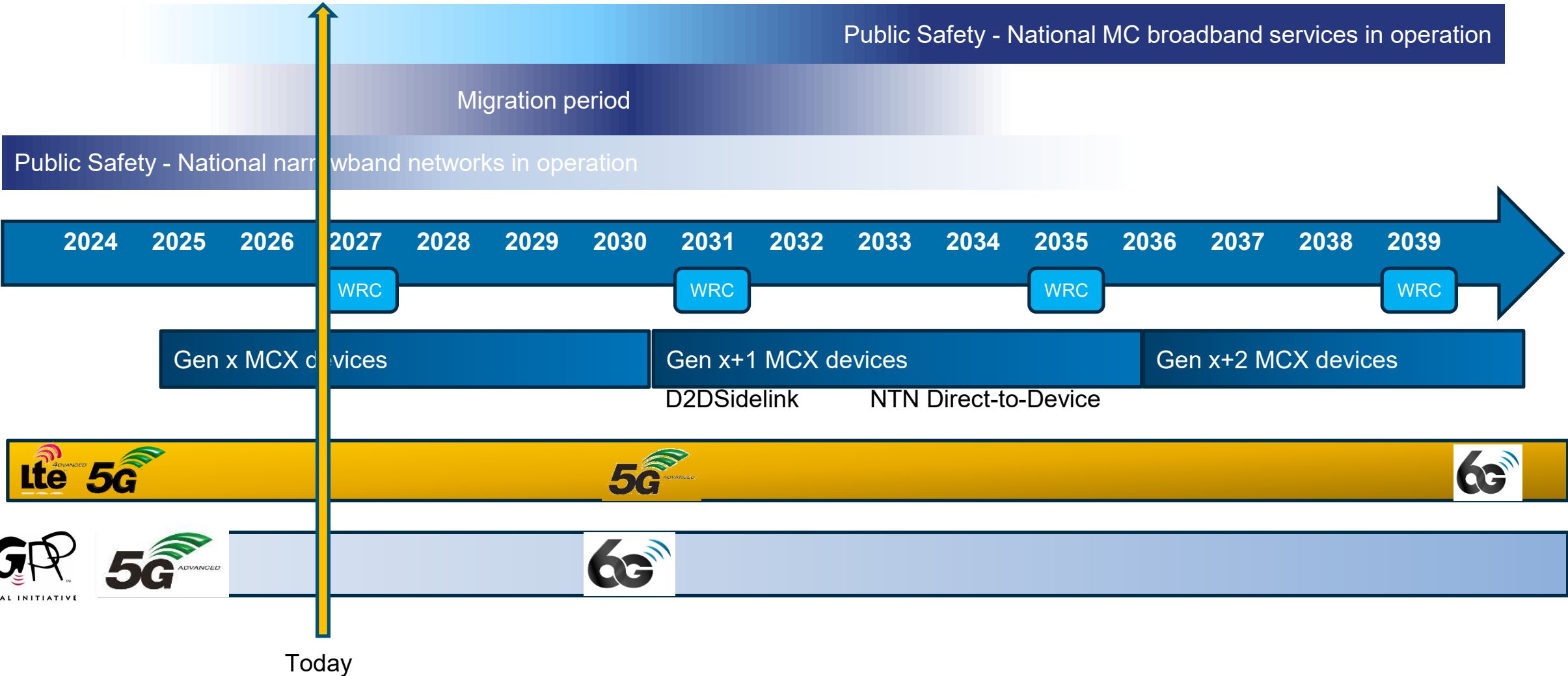
Control room and dispatching



Full shift from TETRA system to 3GPP MCX

- Legacy Control Room applications can still be used with MCPTT services
- No changes in Tactical Management and Provisioning
- MCX interoperability

Putting things into Context





**Delivering the future of
critical collaboration**

AIRBUS