



eme5Gencias

SCEWC Barcelona 2025



MADRID



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Benefits

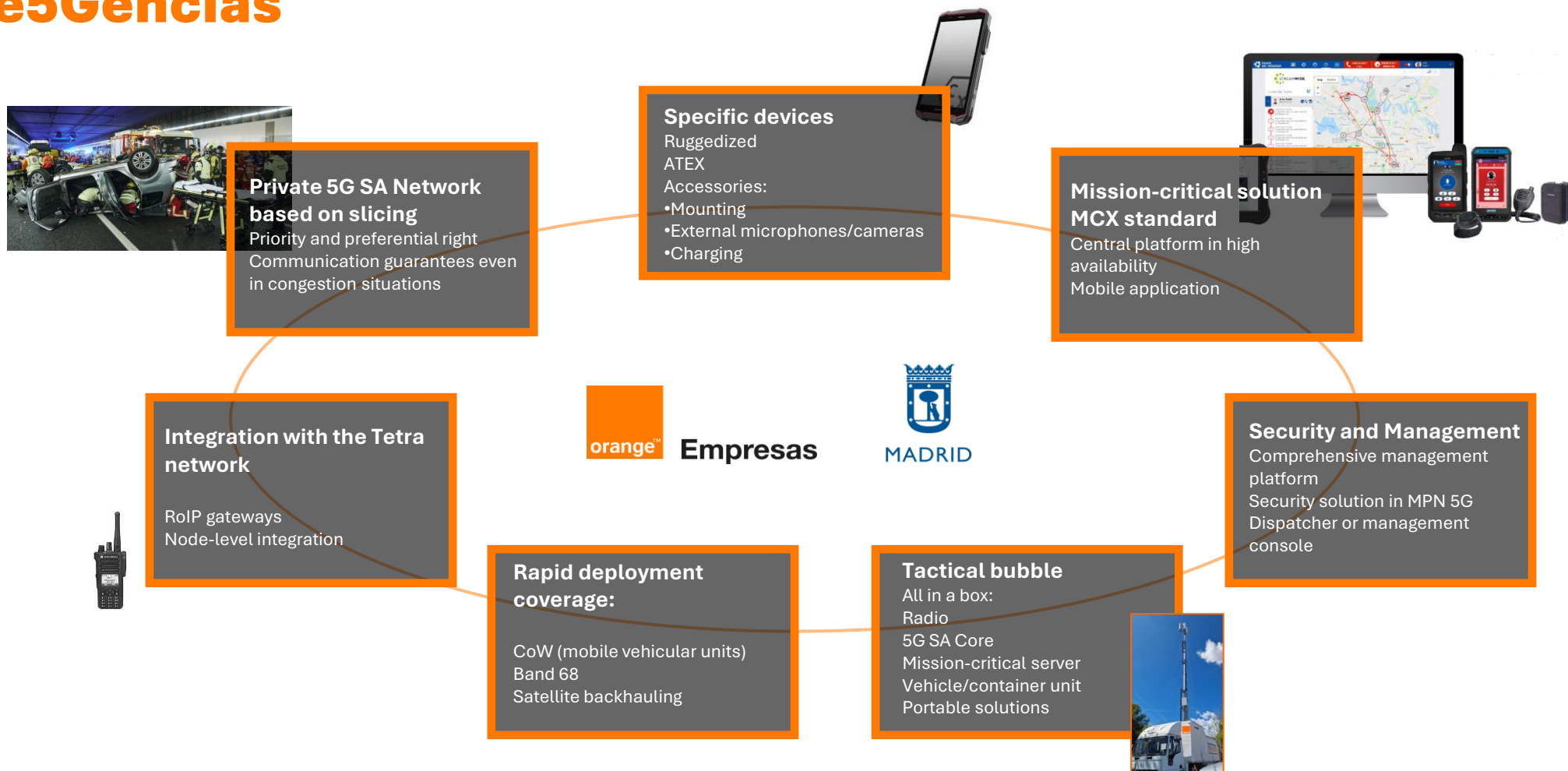
- Multiplicity of manufacturers
- Fast deployment
- Evolution and functionalities linked to the commercial system
- Large available bandwidth
- A single network for everything

Objectives

- Innovative integrated services?
- Availability in case of congestion?
- Availability in case of contingency?
- MCPTT compatibility with TETRA?
- Interoperability with other administrations?



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18/2/25 10:32:51
40°2'56" N 3°42'6" W



18/2/25 10:48:49
40°2'56" N 3°42'5" W



18/2/25 10:32:38
40°2'56" N 3°42'6" W



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Tactical bubble

All in a box:

- Radio
- 5G SA Core
- Mission-critical server

Vehicle/container unit

Portable solutions

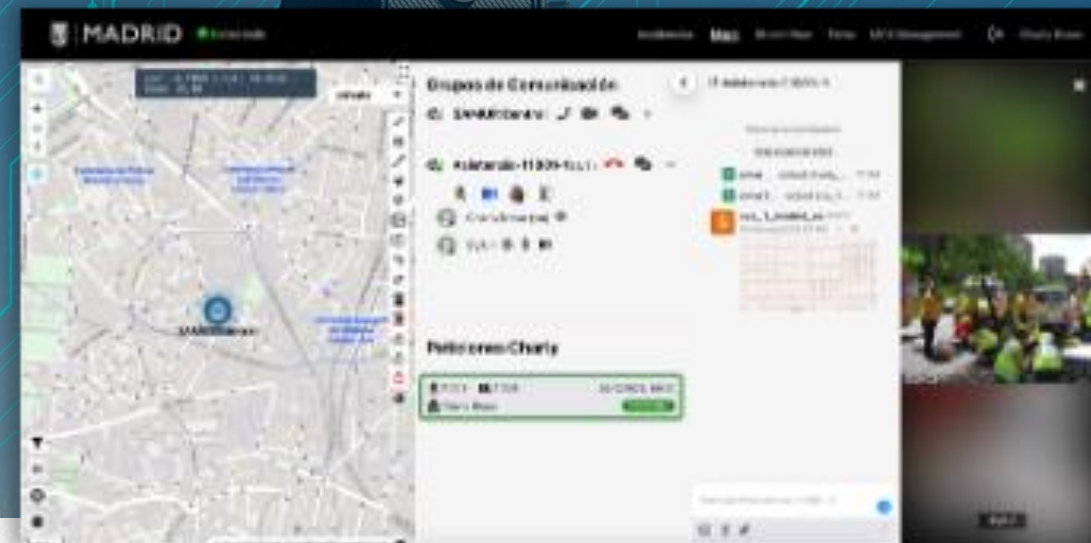
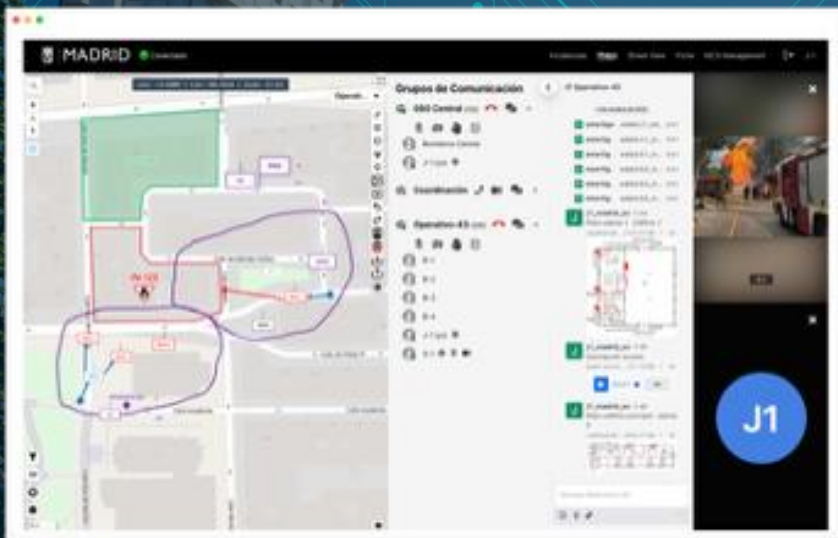
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Possibilities. Advances in 2025

- **MCPTX in congested environments**
(demonstrations, football matches, concerts) – *(Municipal Police and SAMUR)*
- **Drone control and live streaming in BVLOS flights in congested environments**
(Municipal Police)
- **4K video consultation**
with doctor/on-call nurse in congested environments – *(SAMUR)*
- **MCPTT inside buildings**
(Firefighters)
- Availability of **PROSE terminals** – *(Firefighters)*
- **Real-time body cameras** – *(Firefighters)*
- **Video surveillance**
of mass events with multiple 4K cameras deployed from a mobile command center – *(Municipal Police)*
- Availability of **5G SA terminals and ATEX accessories** – *(Firefighters)*
- **Connected helmet** – *(Firefighters)*
- **3D mapping and indoor location** – *(Firefighters)*



Endless integration possibilities.....



Madrid City Council Fire Department

Digital tactical board

- Operational maps
- Tactical board for displaying SITAC
- Shared boards - collaborative or private per unit
- Integration with harmful gas measurement devices
- Integration with communications platform



SAMUR

- Remote consultation for real-time audiovisual communication between mobile units, and the medical/nursing staff on duty.
- Remote monitoring and diagnostics - electromedical devices
- Incident management integrated with multimedia communication services
- Video consultations – situational awareness
- Multimedia instant messaging - instant updates and coordination





***Because
Digital is
Capital***



***Madrid,
Digital
Capital***

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