

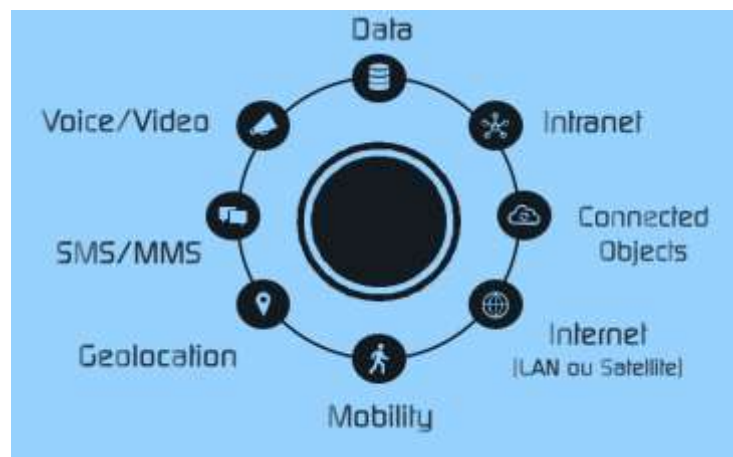
NS-LTE-100: Solution

Advanced, secured and tactical LTE network for private networks

Overview

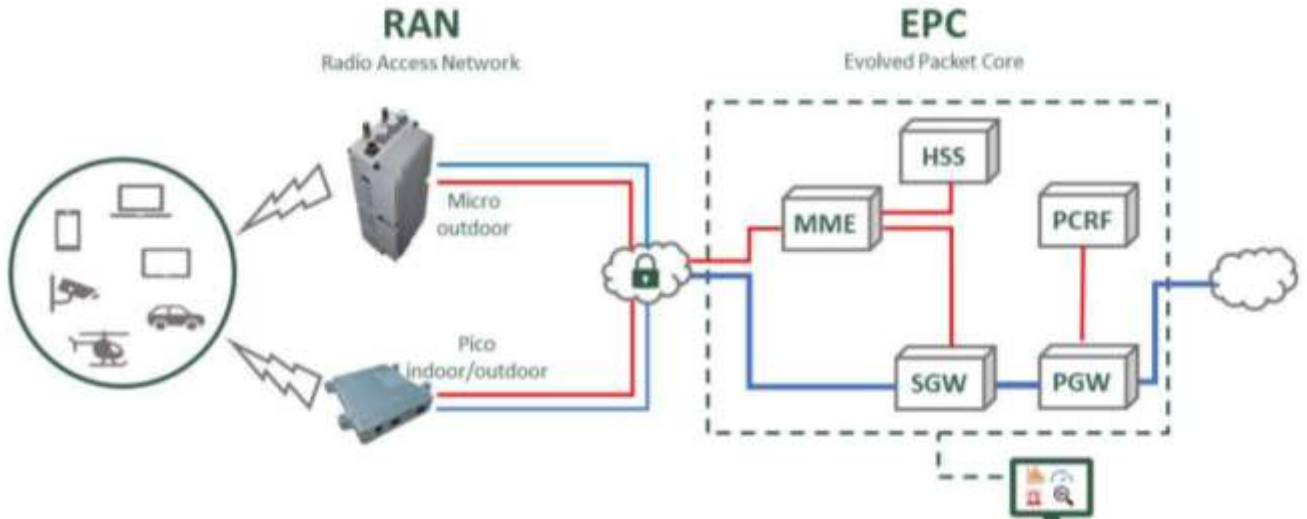
Deployed in few minutes the 4G private tactical solution provides access to very high speed at the event site, contributing to improve situation management and more efficient and secure coordination.

- Easy and fast to deploy
- Secure : authentication and encryption to ensure network confidentiality and integrity
- Resilient : Network operating guarantee
- Autonomus with high speed connection
- Interoperable: with other networks: satellites, VHF gateways, other 4G network
- Qualitative : communications are perfectly audible
- Embedded: Vehicle/ Hard case/ Manpack
- Expandable : As required
- OS linux secured
- Modular System: From MME/SGW/PGW/HSS/PCRF to AMM/SMF/UPF/UDM/PCF
- 3GPP standards solutions
- Multi-support (virtual et VNF/SDN)
- High service disponibility
- Infrastructure Geo-redundancy





Components





Use cases



Defence



Public Safety



Industrial



Rural Area



Smart City

Deployment models



Formats	Discovery	Portable	Privacy	Centralized
Standards	3GPP Release 14	3GPP Release 14	3GPP Release 14	3GPP Release 14
Simultaneous Connections	2-4	20-30	100-400	+500
Bandwidth*	< 500Mb/s	< 1Gb/s	< 10Gb/s	+10Gb/s
Use case	Demo PoC	ManPack Vehicle PoC	Company network	Multisite network
Guarantee			Support 24h/24	Support 24h/24

* Bandwidth is indicative. Depends on radio and environment

Radio Systems

Formats	Pico indoor	Pico outdoor	Micro outdoor	Macro outdoor
Power	< 500mW	1W	1-10W	20-40W
Bandwidth*	20-30 Mb/s	50Mb/s	300Mb/s	+10Gb/s
Coverage	0 – 30 km (depending on the environment and power)			

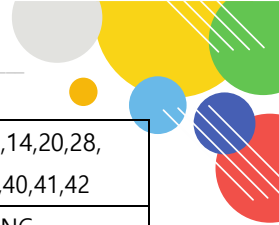


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Supported band	NC	NC	3,7,40 (2x500mW) 20,28,42 (2x5W)	3,5,7,8,14,20,28, 30,38,40,41,42
Maximum users		0-256 simultaneous users		NC

* Bandwidth is indicative. Depends on radio and environment



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