

# **The 5G EVE End-to-End Facility Webinar for Vertical Industries involved in 5G EU Projects**

**The 5G EVE site facilities in France, Greece, Italy and Spain**

**9 May 2019**

**Twitter hashtag: #5GEveWebinar**

**Website: [www.5g-eve.eu](http://www.5g-eve.eu)**



This Project has received funding from the EU H2020 research and innovation programme under Grant Agreement No 815074

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**5G EVE**

# 5G EVE Locations



- The 5G EVE site facility is composed of a cluster of sites facilities in several countries
  - France - 4 nodes: Nokia Paris Saclay, b<>com Rennes, Eurécom Nice, Orange Paris
  - Greece: Athens with Ericsson, Nokia, Wings, OTE
  - Italia: Turin with Ericsson, Networks, A2T, CNIT, TIM
  - Spain: Madrid with Ericsson, Nokia, UC3M, TID
- Sites will be interconnected via secured VPN tunnels to be viewed as a single E2E site facility



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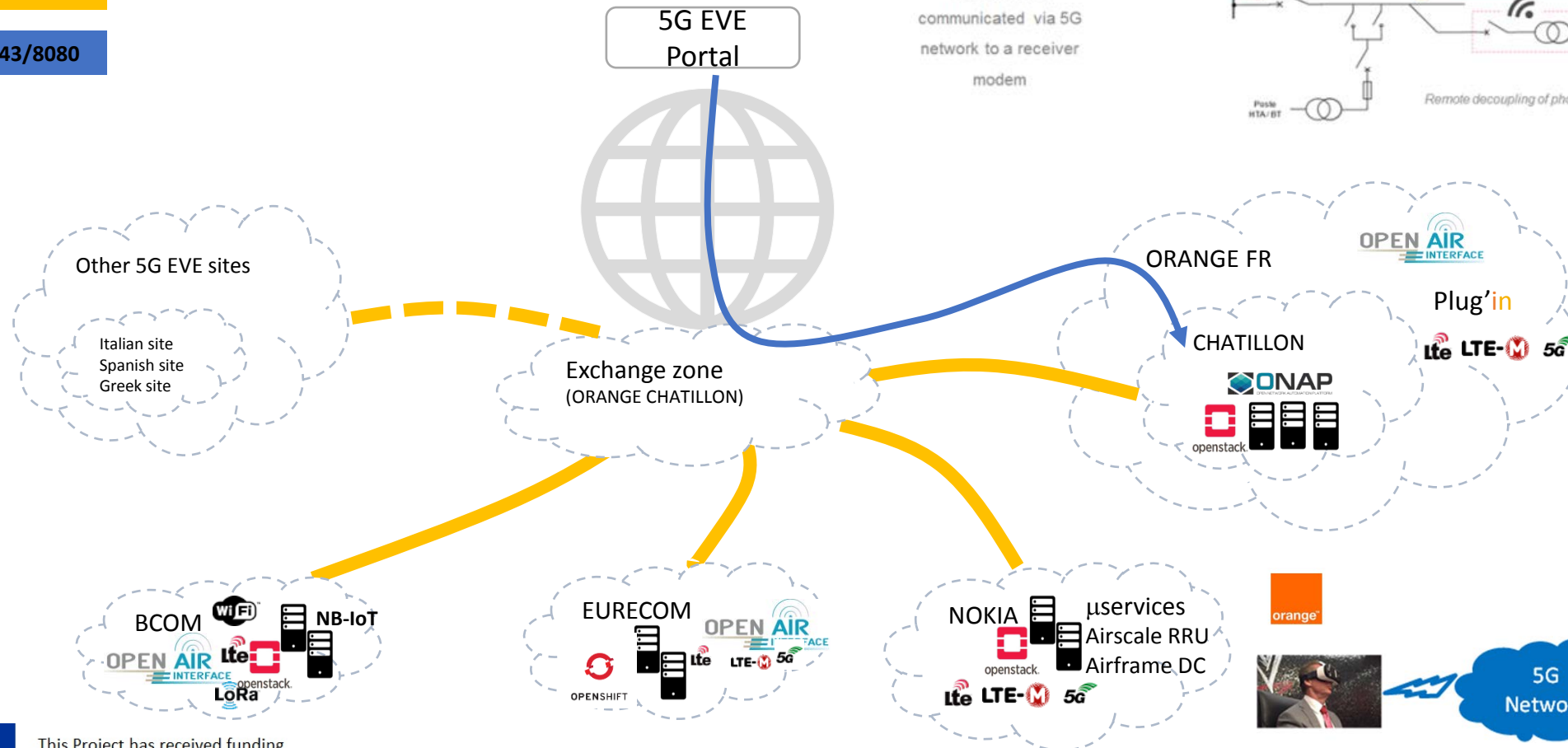


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# French Site Facility

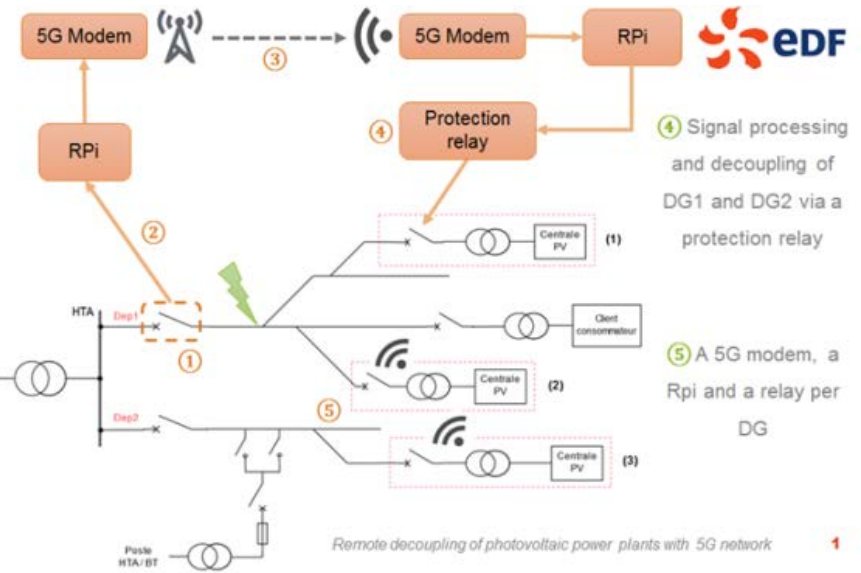
L3 VPN

80/443/8080



## Simulation of an electrical fault on feeder 1

- 1 Circuit breaker opening (feeder 1)
- 2 State of the circuit breaker at the primary substation sent to a RPi
- 3 Signal processed and sent to a 5G transmitter modem, then communicated via 5G network to a receiver modem

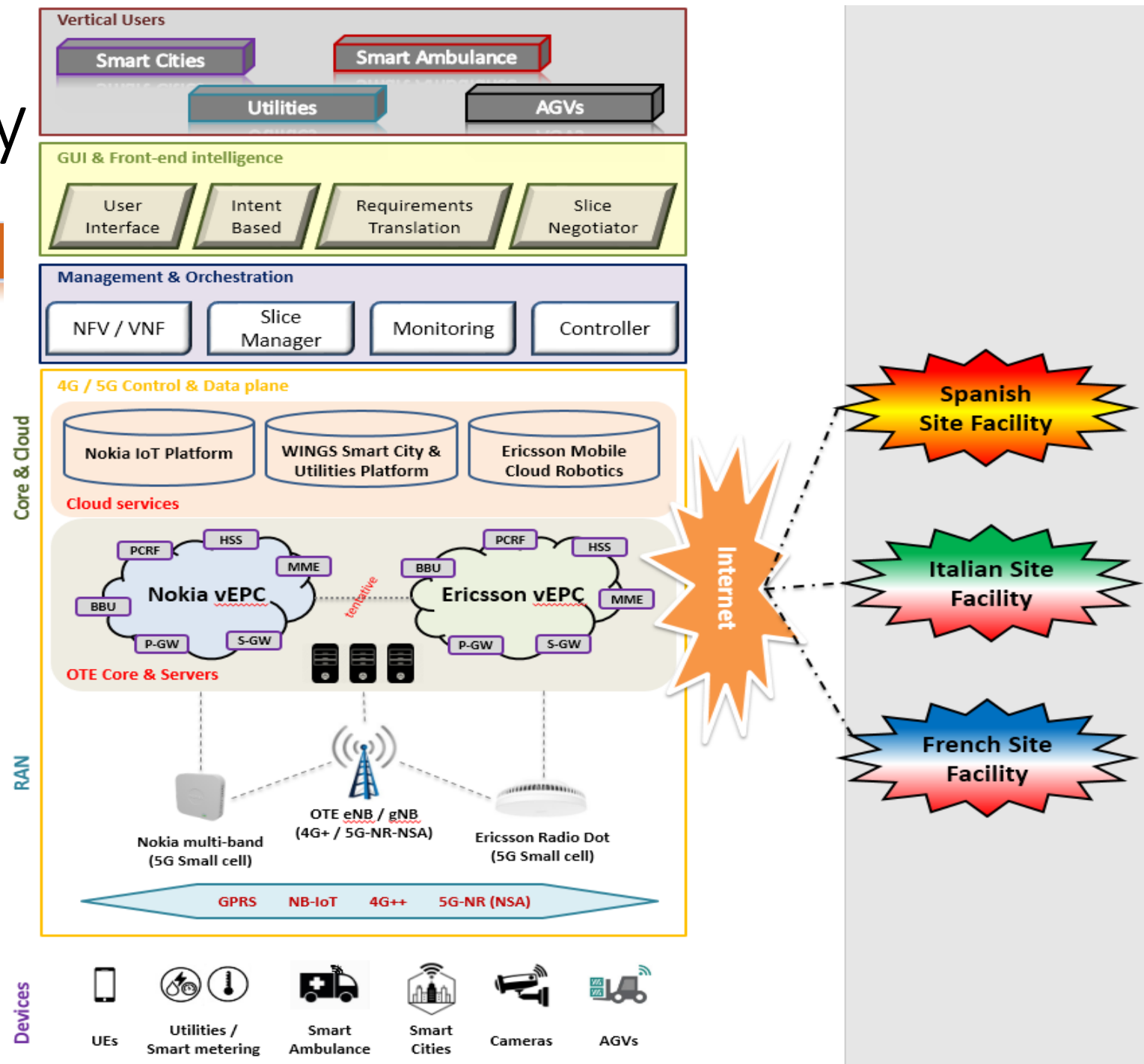


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# Greek Site Facility

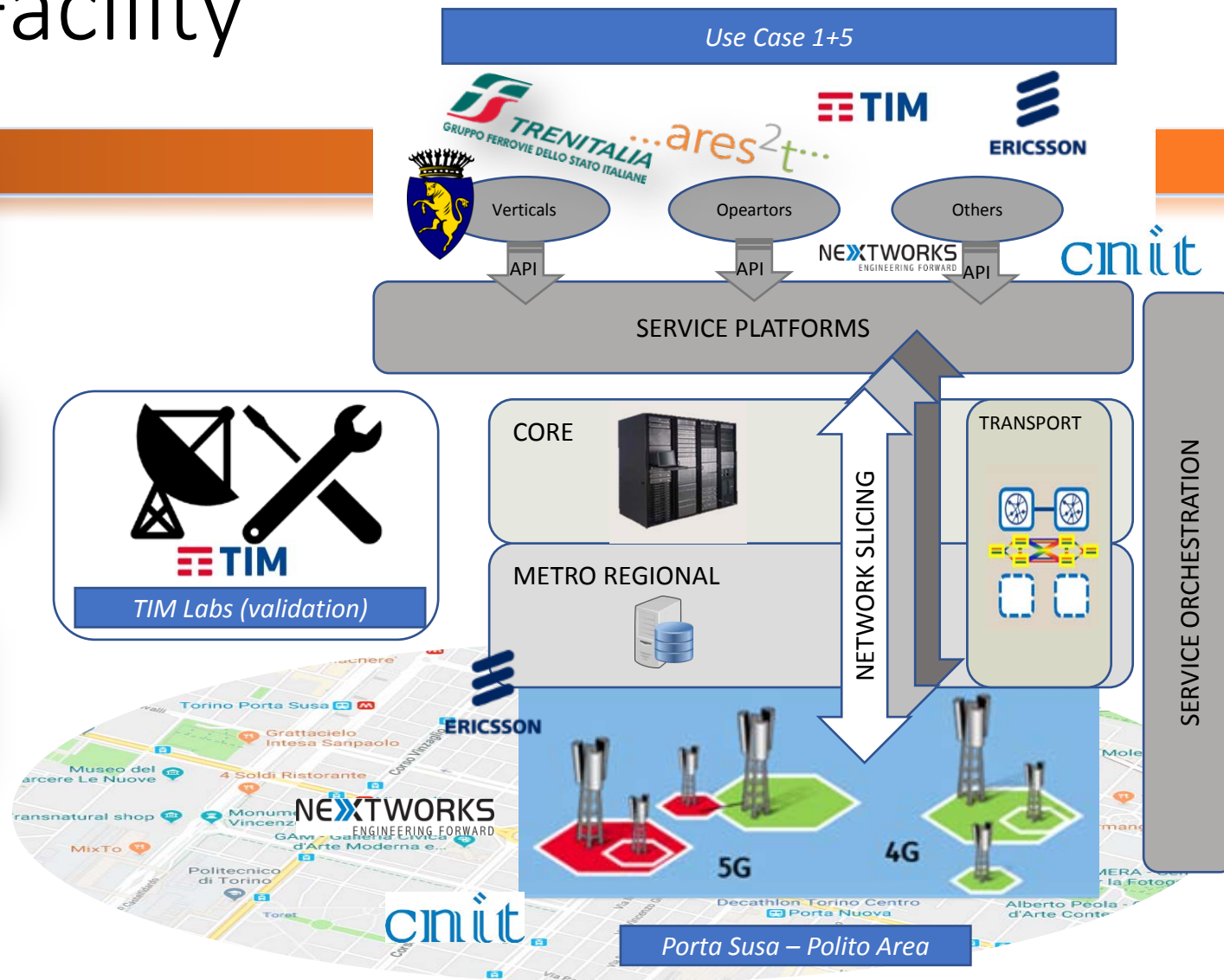
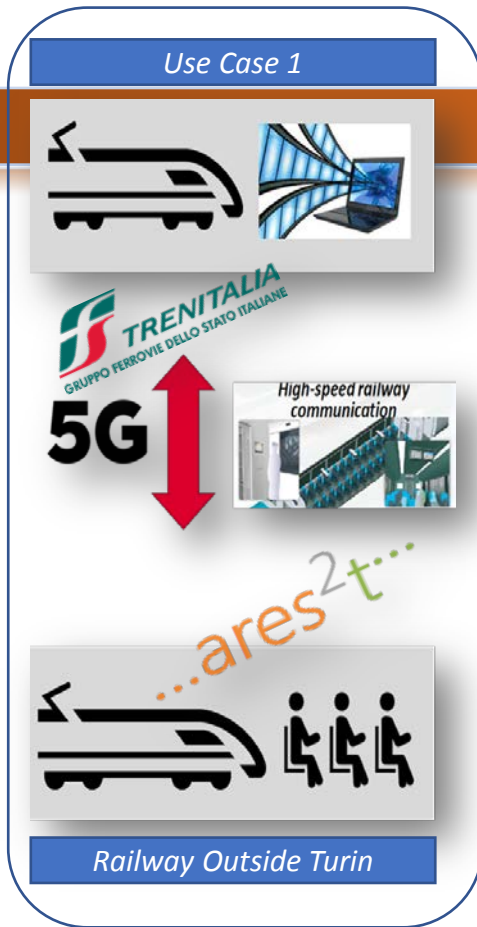
- GUI development with Intent-based functionality to support vertical users
- Implementation of “Umbrella” Greek site Orchestrator under way
- 1<sup>st</sup> release of AGV, Smart City and Utilities platforms available
- Nokia and Ericsson vEPCs (1<sup>st</sup> release) installed at OTE facilities
- Ericsson Radio-Dot installed at OTE facilities
- Vertical end devices available Smart city sensors and actuators, AGVs, Smart energy distributed producers /consumers, sensors, etc.



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# Italian Site Facility



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# Spanish Site Facility



## Verticals

AGVs  
AUTOMATED FACTORY LOGISTICS

Industry 4.0

VR/AR Interaction

Smart Tourism

ULTRA HIGH-FIDELITY  
ON-SITE LIVE EVENT EXPERIENCE  
IMMERSIVE & INTEGRATED MEDIA

Media & Entertainment

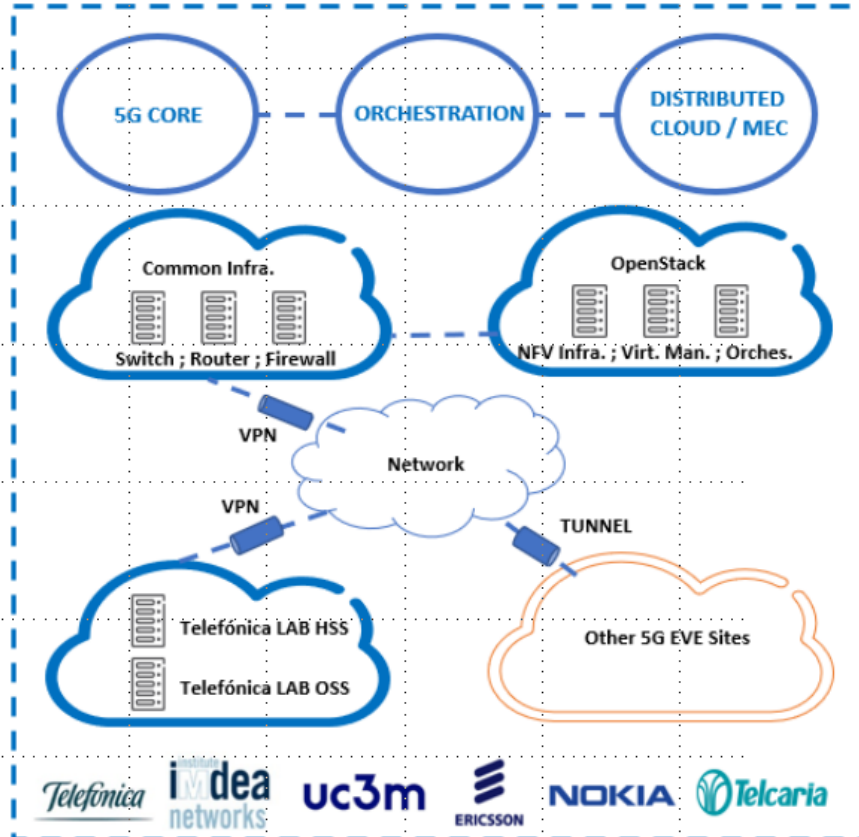
## Radio Access

5G

4G LTE

CAT-M NB-IoT

## CORE, Cloud and Orchestration



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# Some site facility specifications



Videos of 5G EVE Sites Facilities available at: <https://www.5g-eve.eu/videos/>



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# Thank you!



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