

Andrea Buratti

Head of WISP –
EOLO Spa



Francesco Alberti

Head of Network Engineering –
EOLO Spa



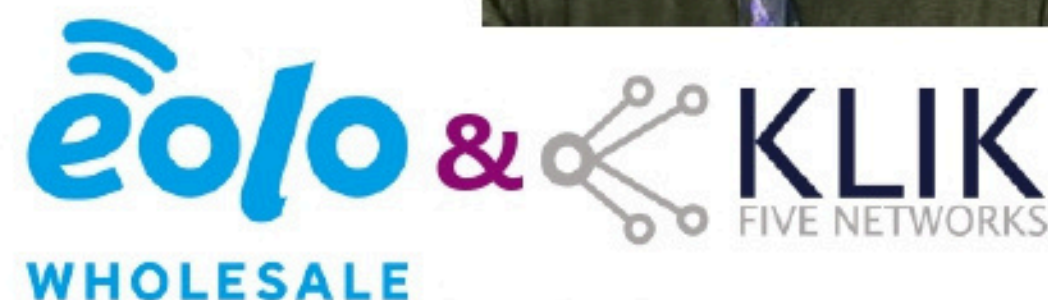
Danilo Reitano

Wholesale Account Manager –
EOLO Spa



Raffaele Santapaolo

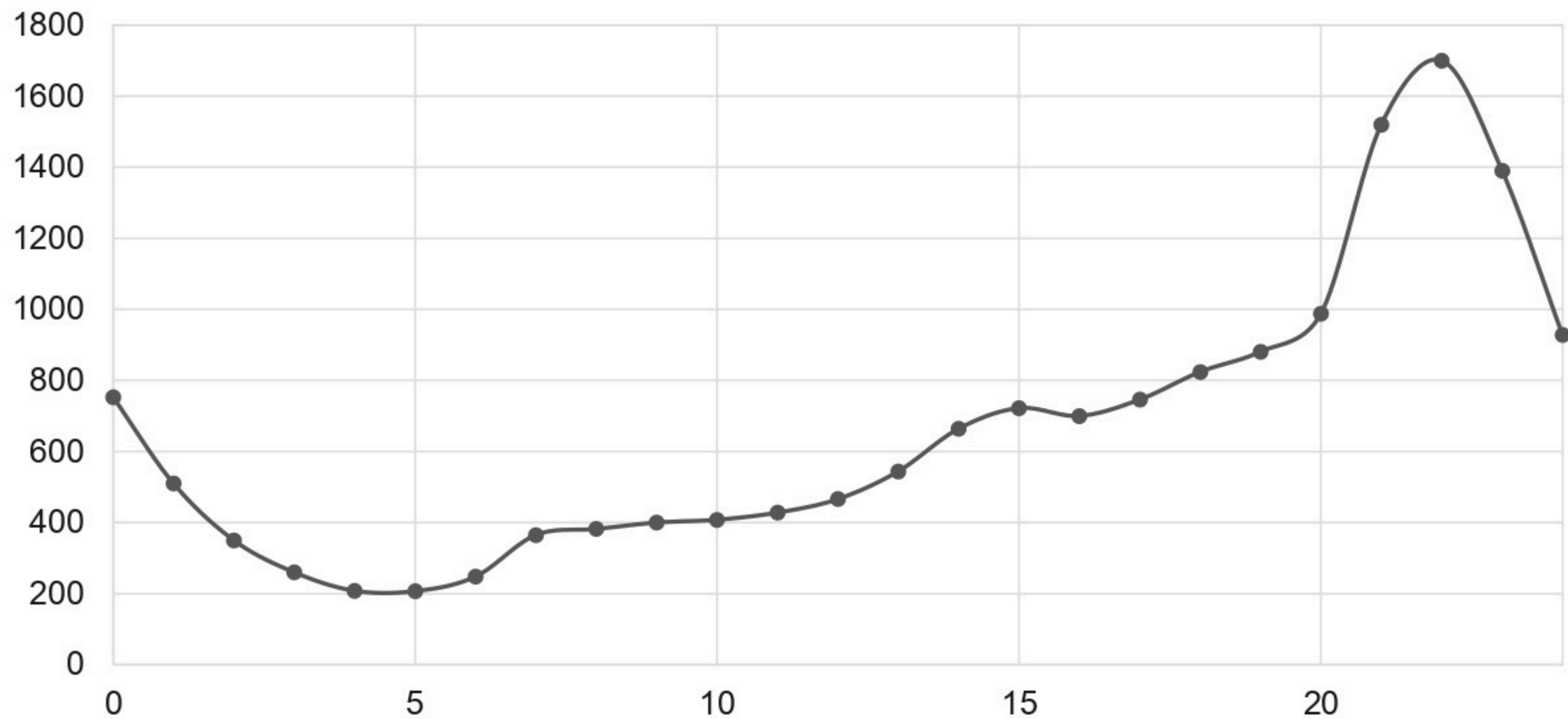
General Manager –
KLIK FIVE NETWORKS



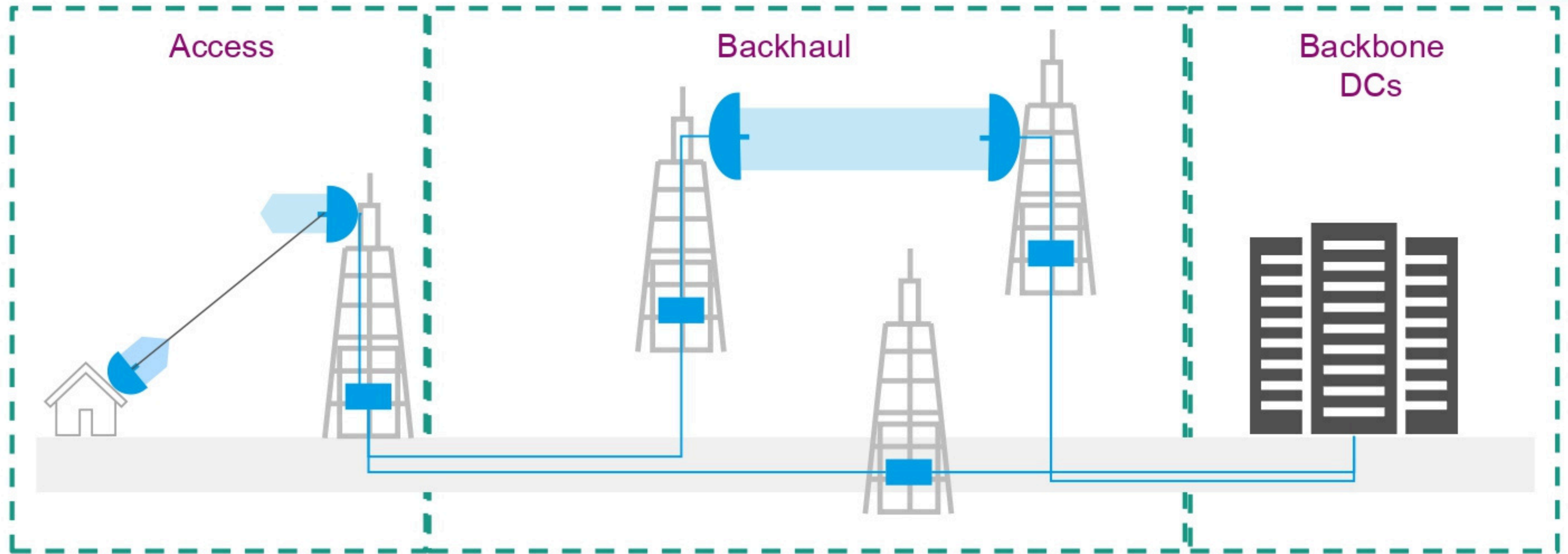
EOLO Network

Un caso di successo:
EOLO & KLIK FIVE NETWORK

HIGH CAPACITY NETWORK



THE EOLO NETWORK



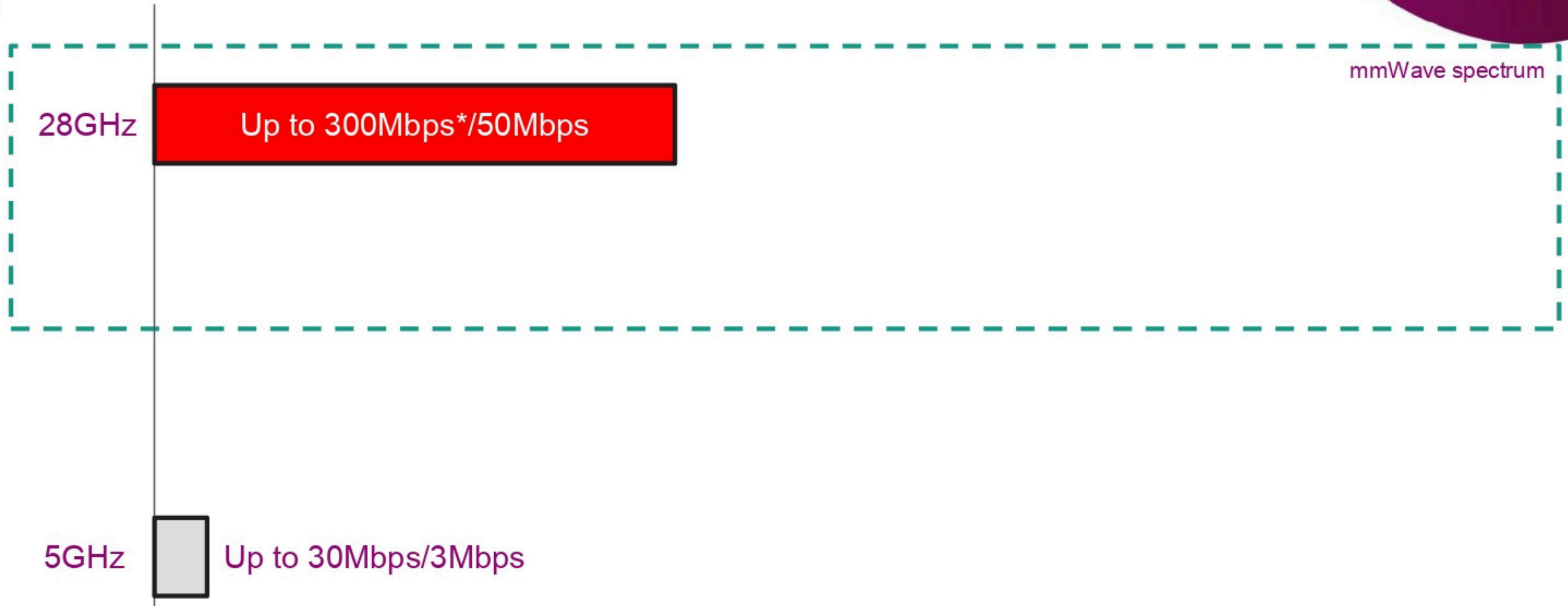
ACCESS NETWORK (PTMP)

5GHz

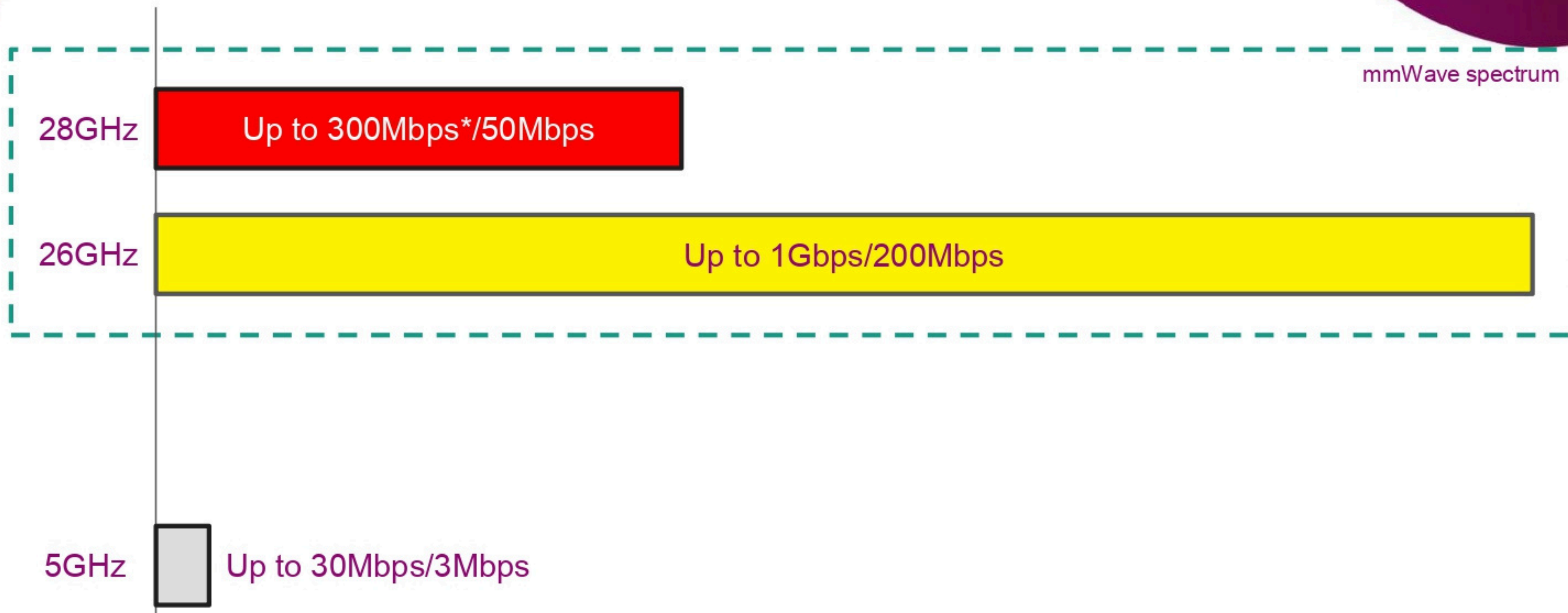


Up to 30Mbps/3Mbps

ACCESS NETWORK (PTMP)



ACCESS NETWORK (PTMP)



ACCESS NETWORK (PTMP) – FOCUS 26GHZ



NOKIA



ZTE

ACCESS NETWORK (PTMP) – FOCUS 26GHZ



NOKIA



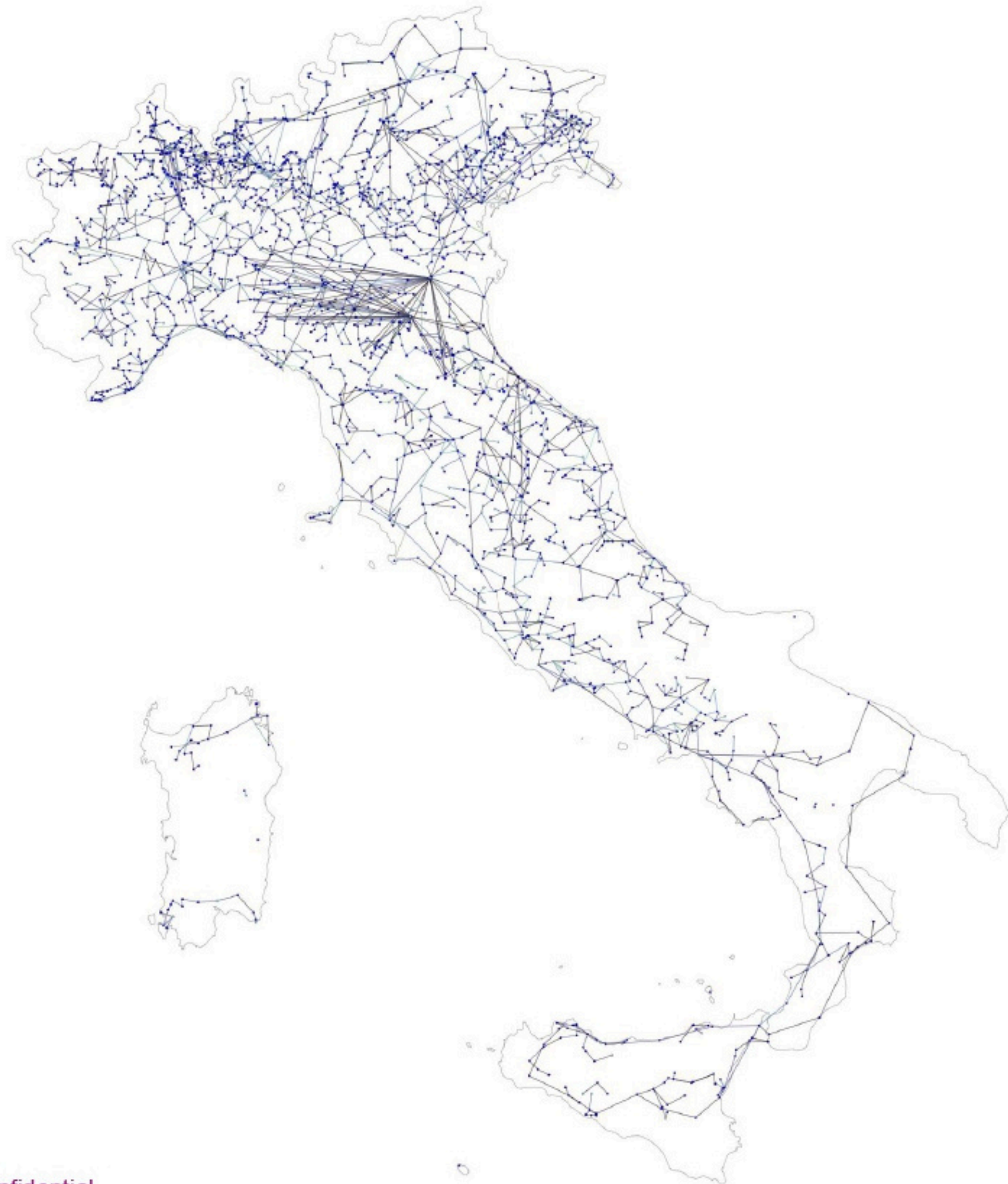
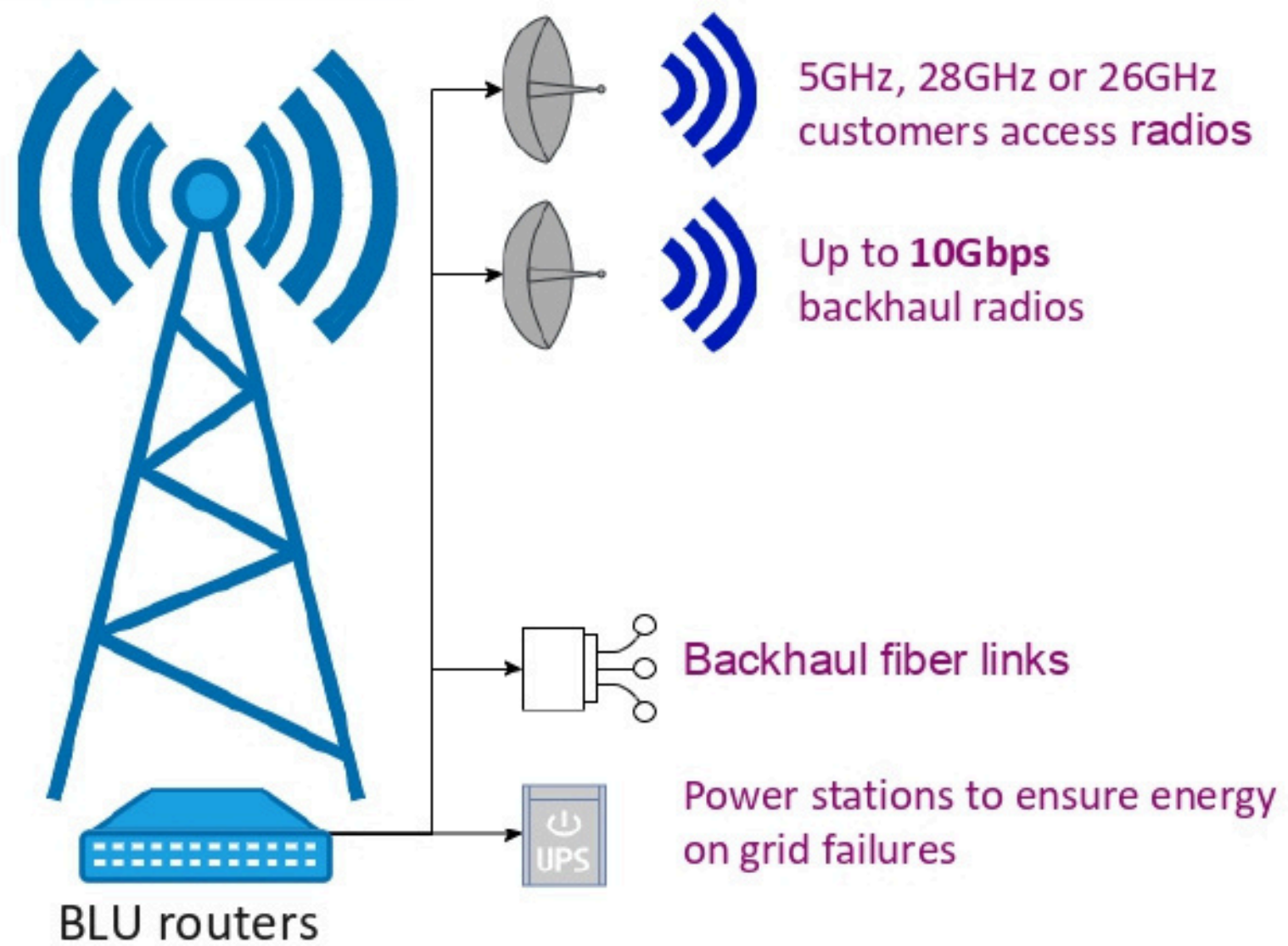
ZTE

FIRST PRELIMINARY TEST RESULTS



OUR NETWORK

4200 Towers



BLU routers



BLU «model 1»



BLU «model 2»



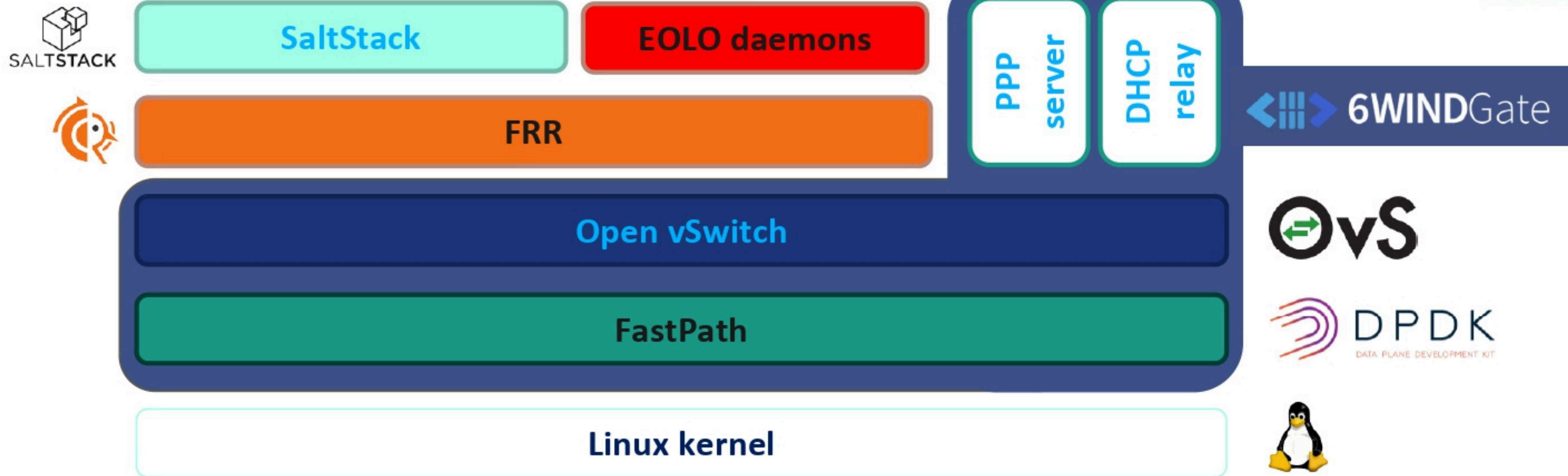
BLU «model 3»

High scalability whitebox routers

Low power consumption

Flexibility to virtualize virtual functions at the edge of the network

BLUos

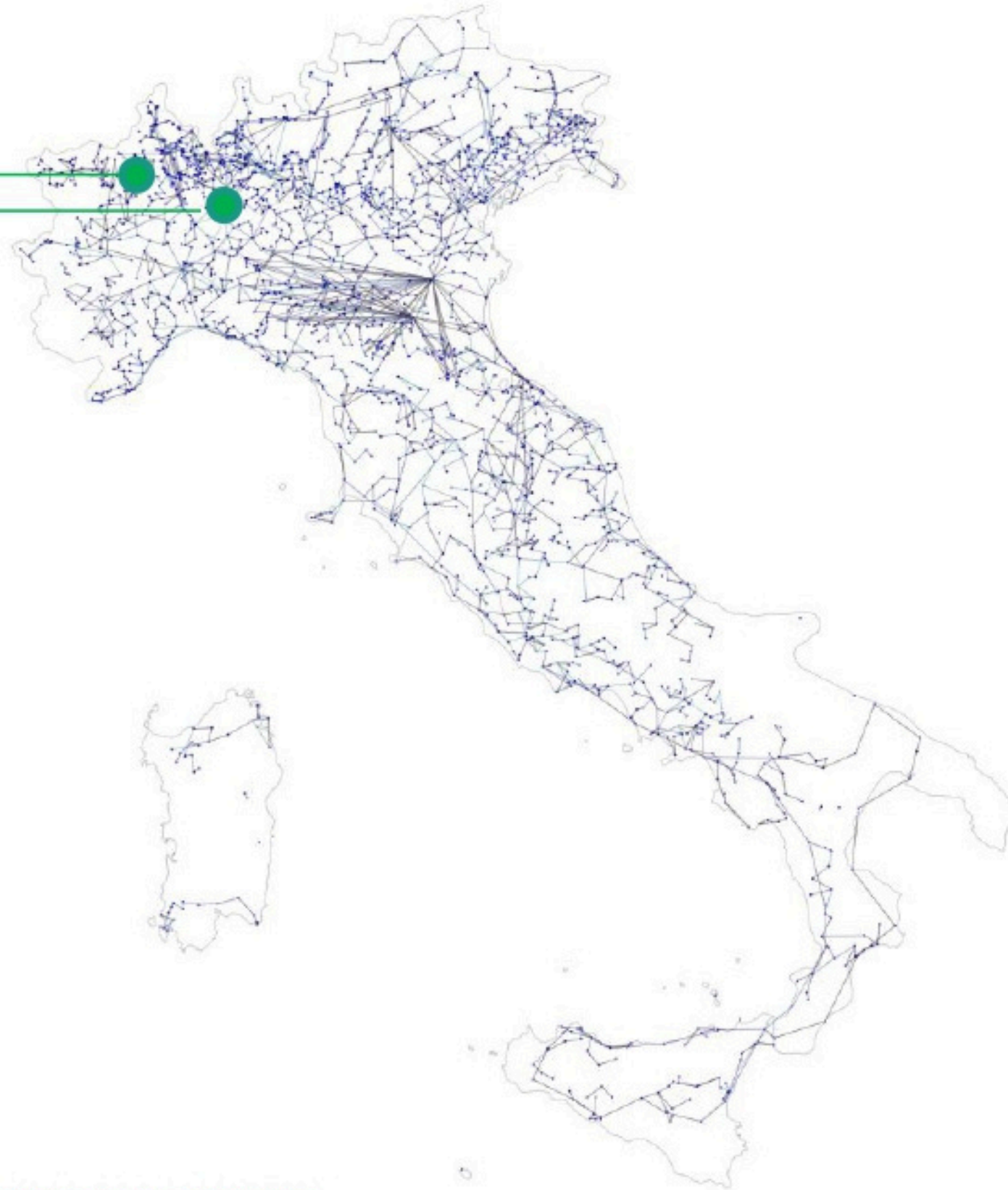


OUR NETWORK

4200 Towers

2 Datacenters

- ❑ ***Brunello ELMEC***
- ❑ ***Siziano STACK***



OUR NETWORK

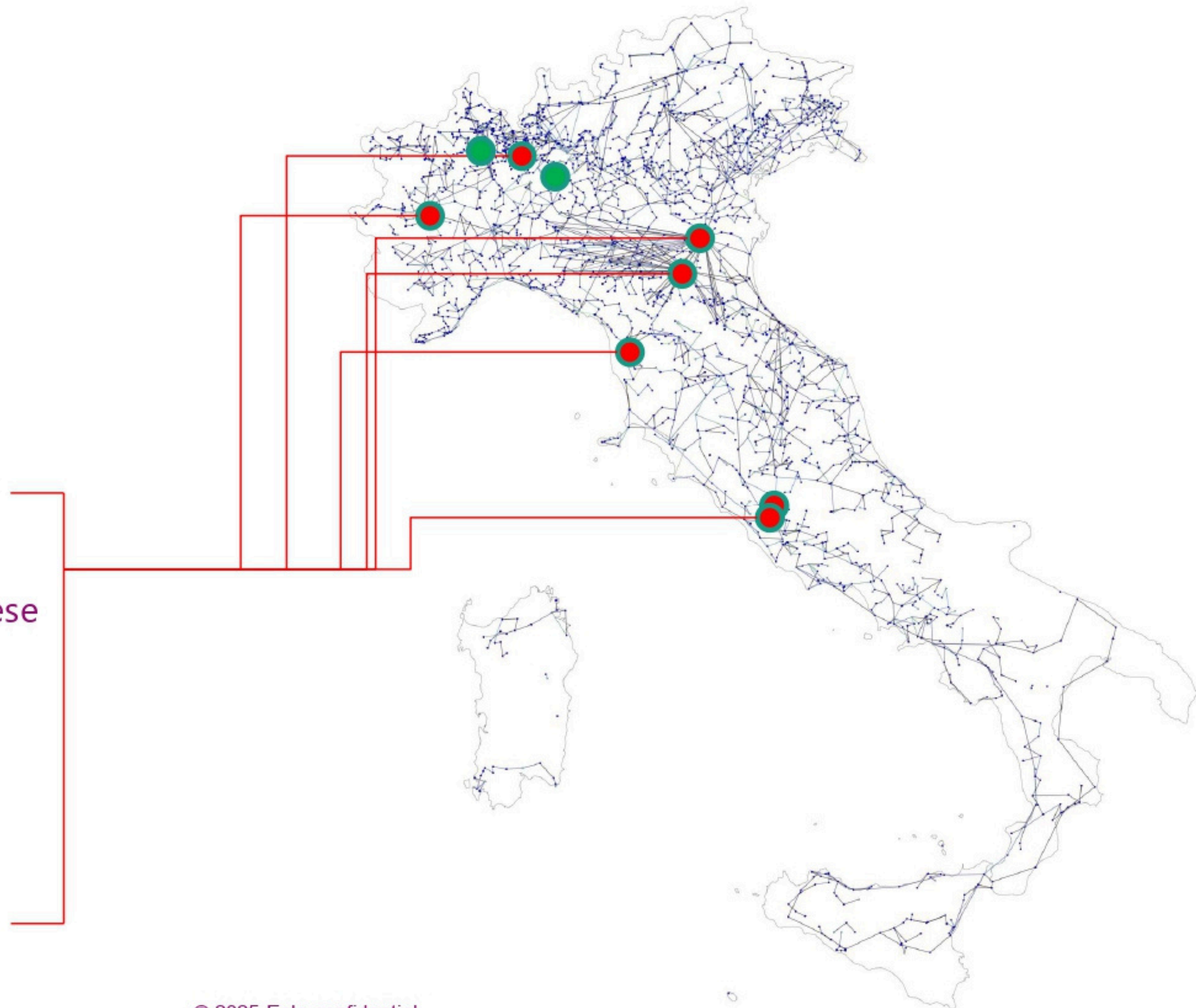
4200 Towers

2 Datacenters:

- ❑ ***Brunello ELMEC***
- ❑ ***Siziano STACK***

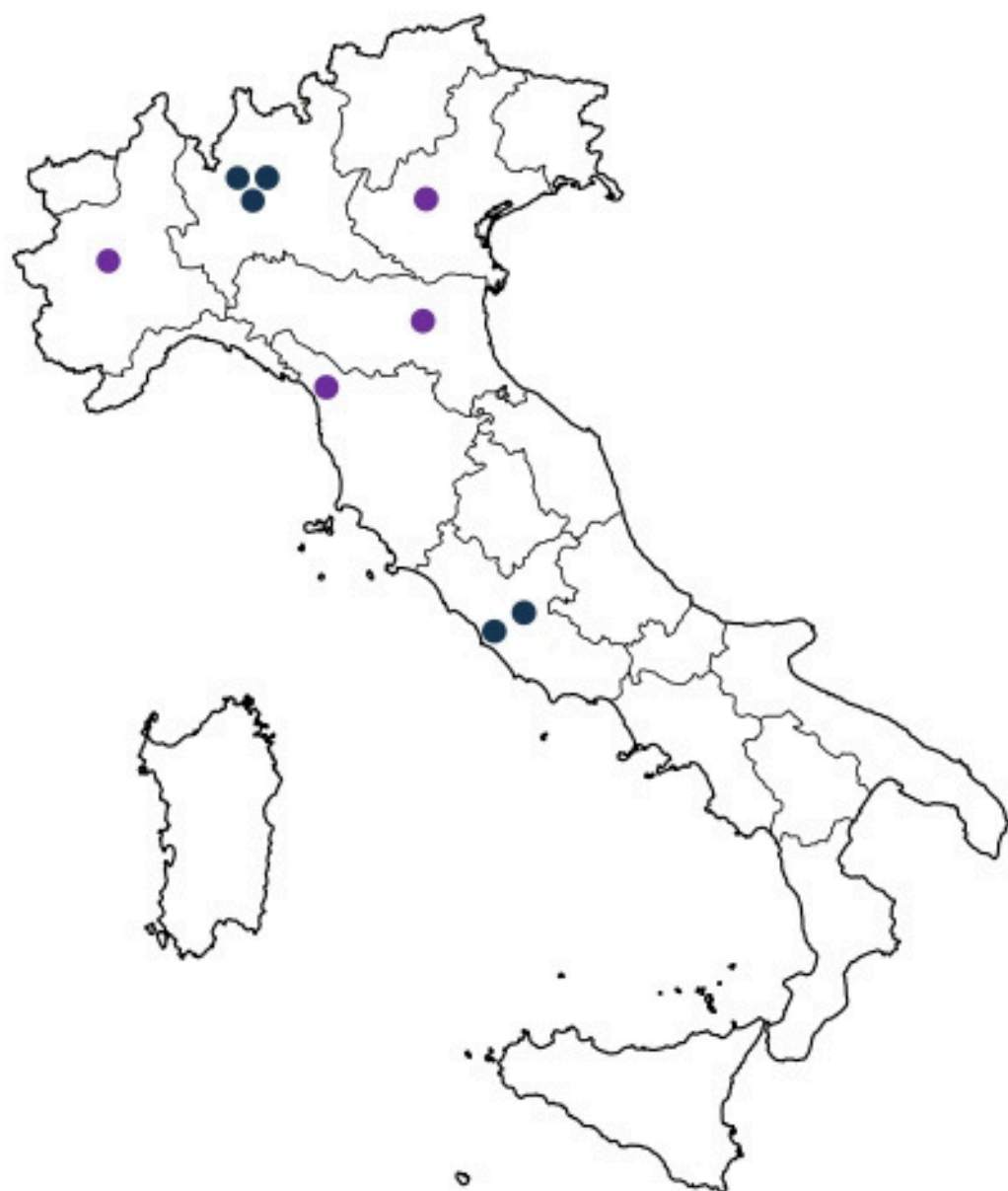
9 Regional POPs:

- Milano Settimo Milanese
- Milano San Donato Milanese
- Milano MIX
- Torino
- Vago di Lavagno
- Bologna
- Pisa
- Roma NAMEX
- Roma UNIDATA

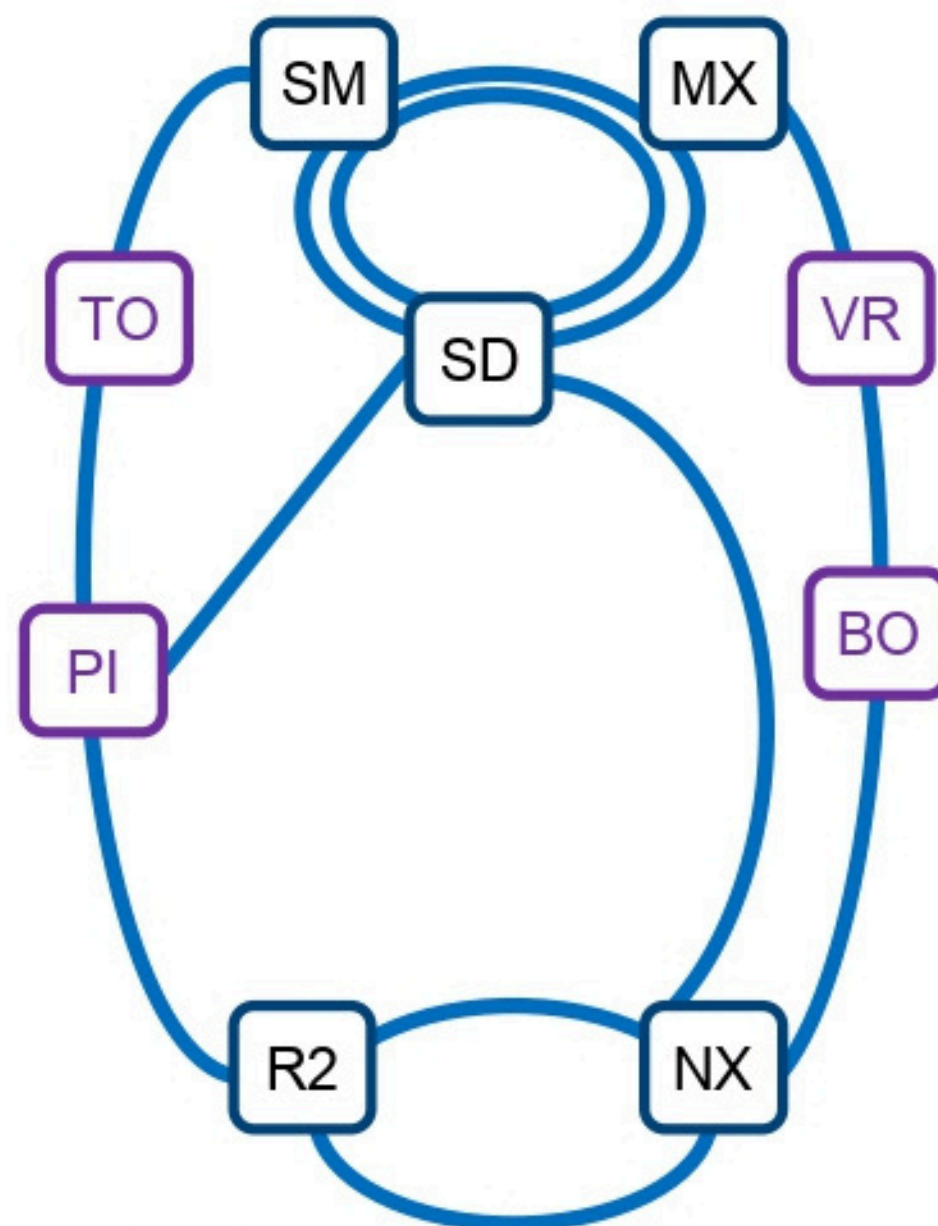


GEOGRAFIA DI RETE

Posizione fisica



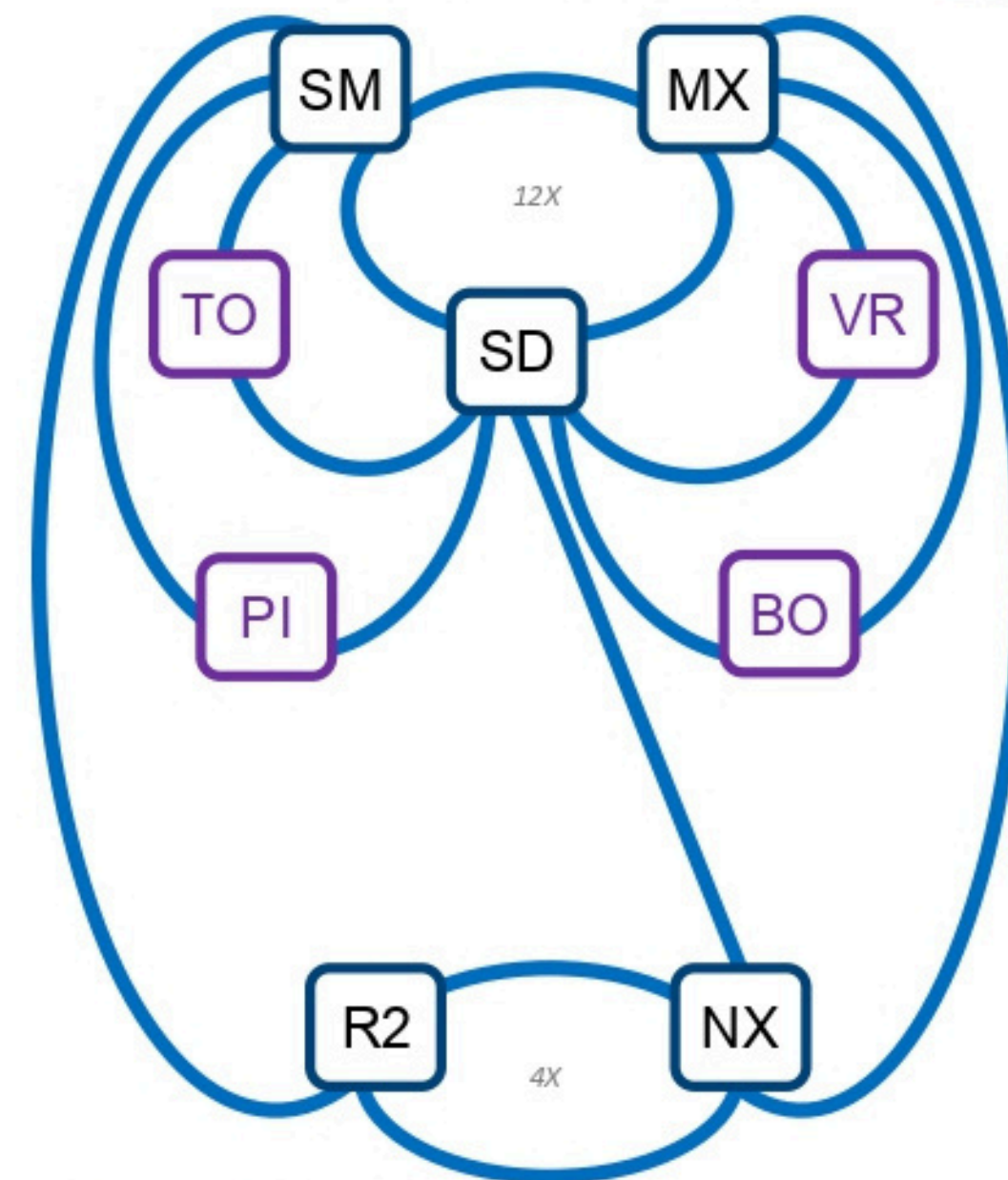
Collegamenti fisici



- Doppio anello fisico milanese su apparati vendor differenti
- Tre percorsi completamente diversificati Milano-Roma

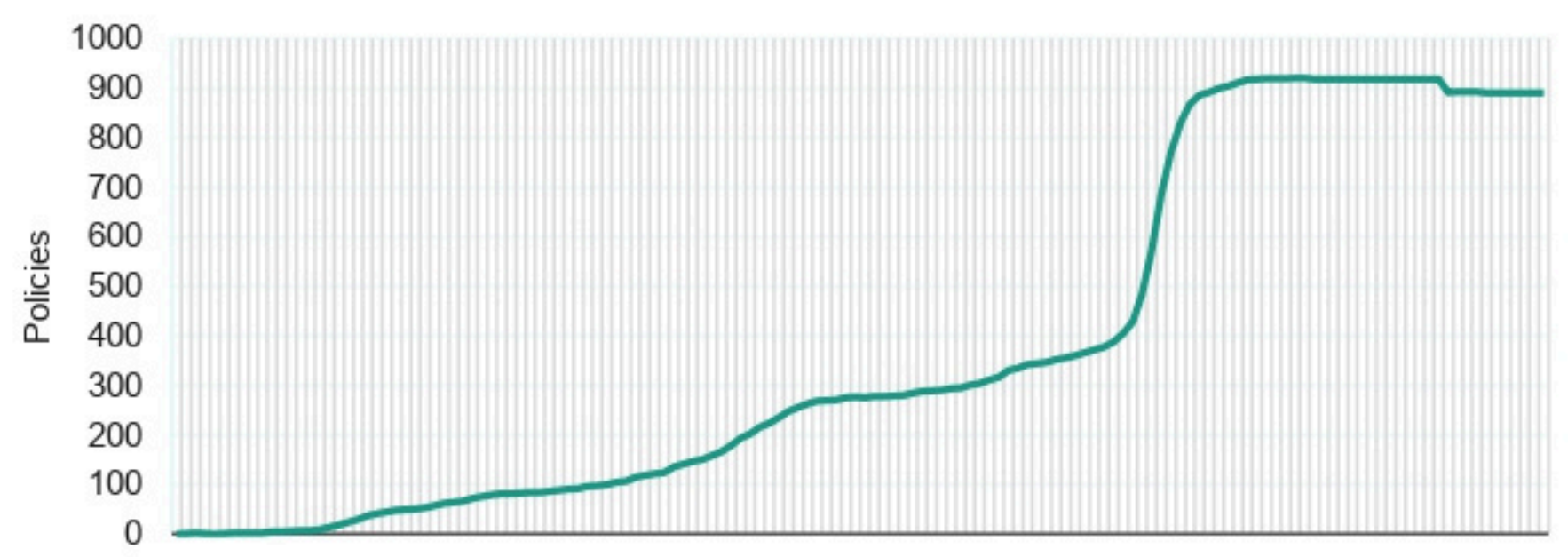
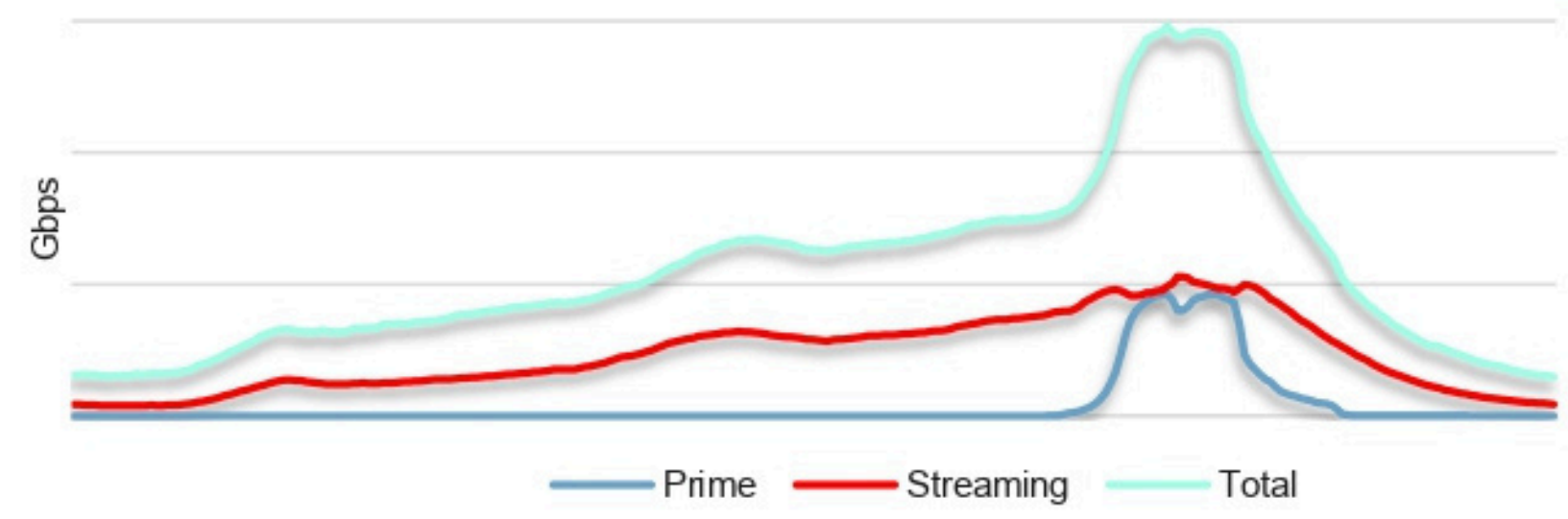
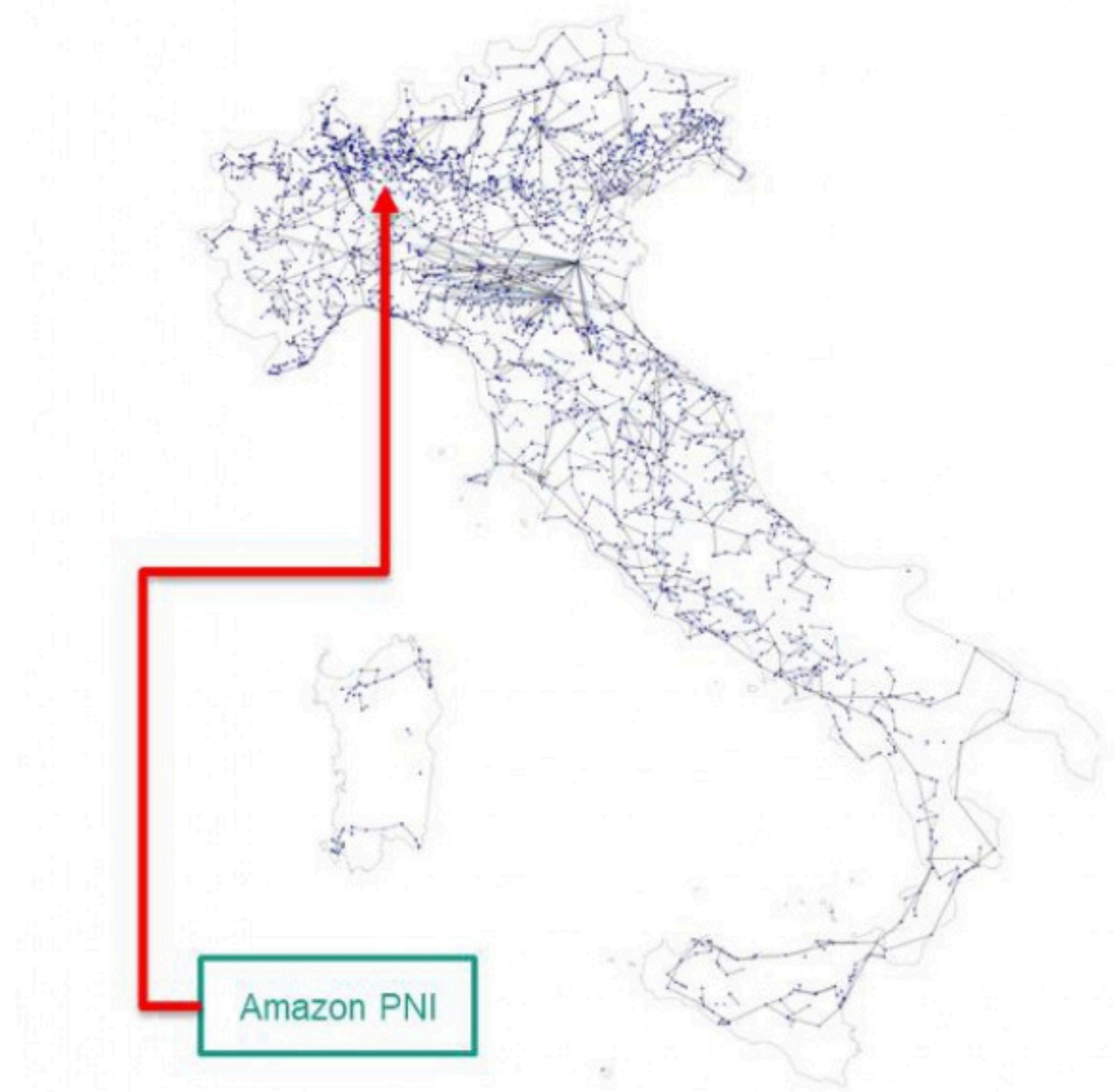
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Circuiti 100Gb/s



- Anello milanese 12x100Gb/s
- Anello romano 4x100Gb/s
- PoP regionali collegati a due PoP nazionali

AI TO THE RESCUE!



WHOLESALE
WINERY *Tour*

install

The new *L2 naked* service offered by EOLO will substitute the current WHS L2 service. It is HAG-agnostic, every OLO shall install its own HAG at customer's premises. It can be seen as the FWA-based alternative to the «open stream» service from OF. Similarities with the OF service have been studied on purpose for an easier and faster marketing approach with the OLOs.

BTS

The AP perform the appropriate VLAN tagging and delivers traffic to the BLU router.

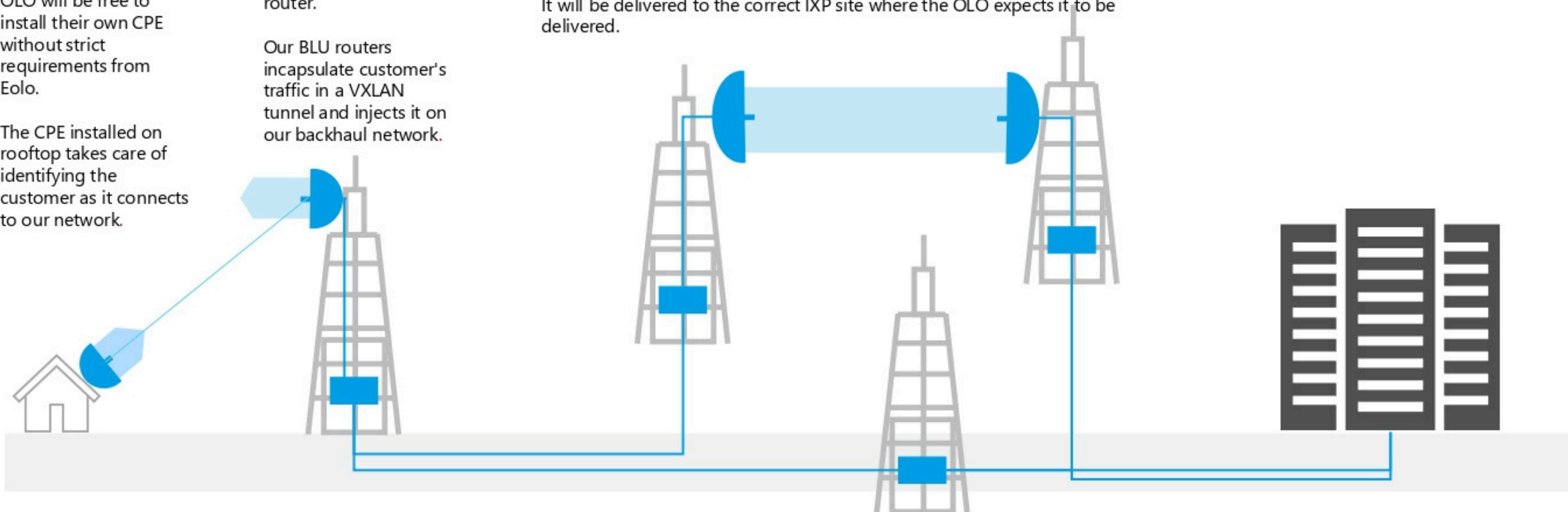
Our BLU routers
incapsulate customer's
traffic in a VXLAN
tunnel and injects it on
our backhaul network.

Backhaul

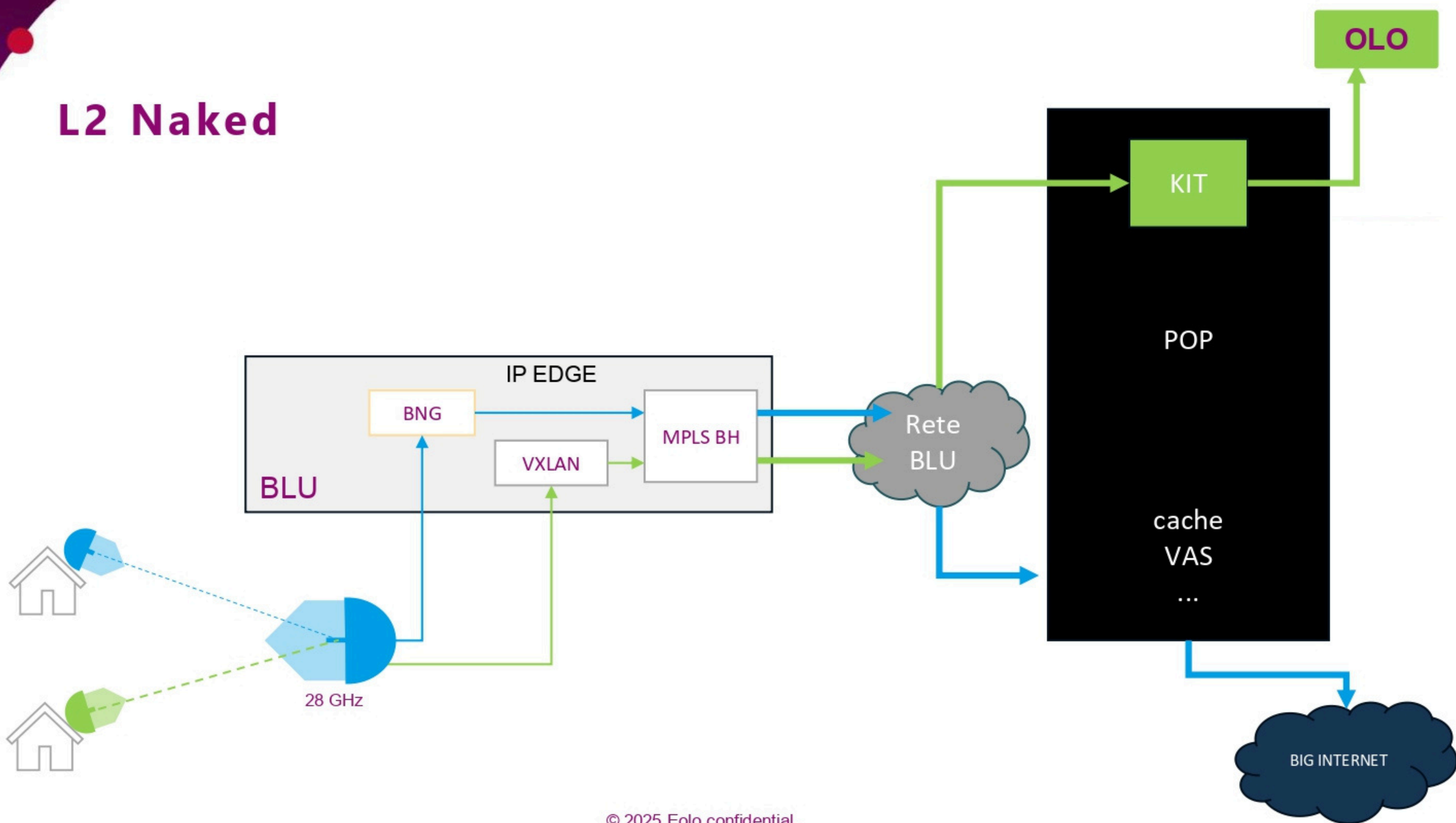
It will be delivered to the correct IXP site where the OLO expects it to be delivered.

IXP

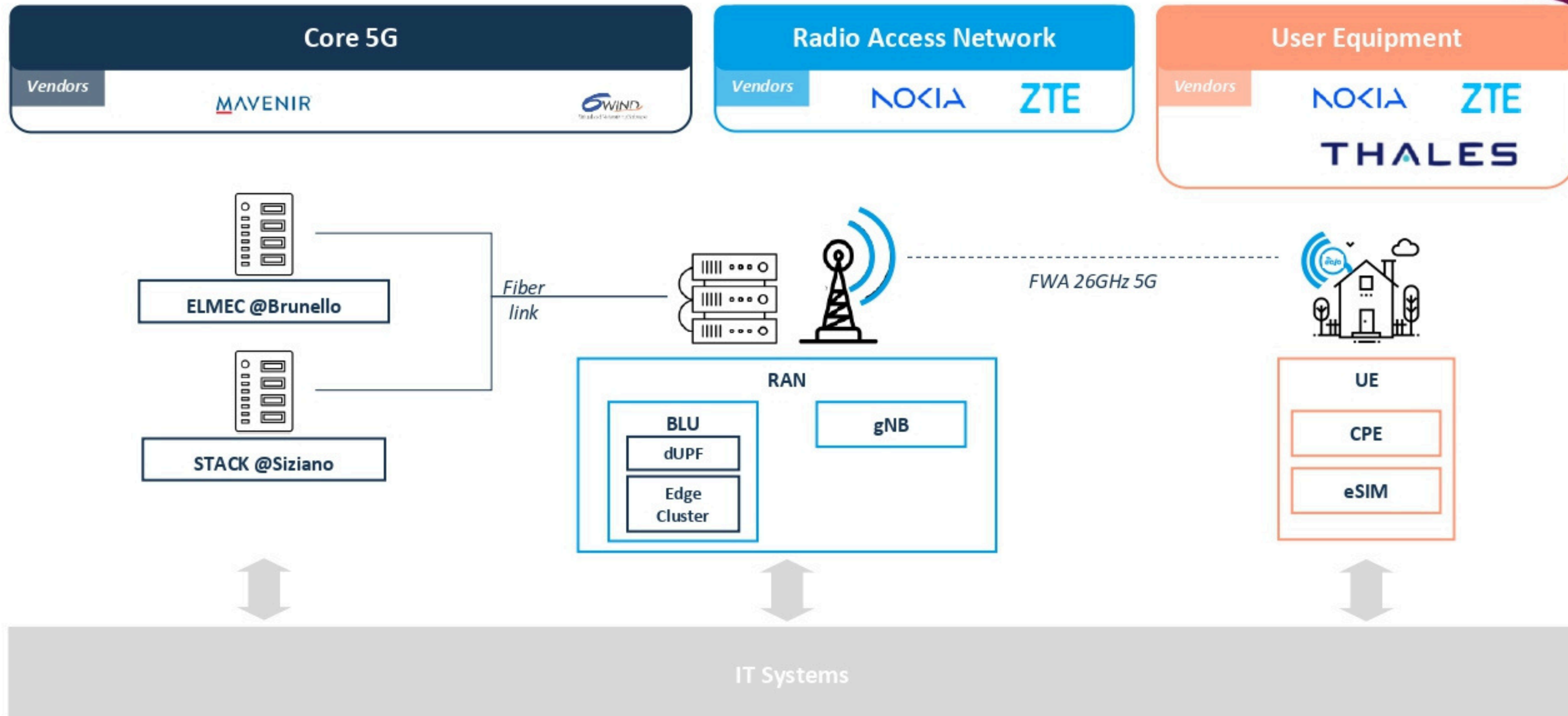
VXLAN decapsulation is performed by datacenter programmable switches, interconnected with the OLOs.



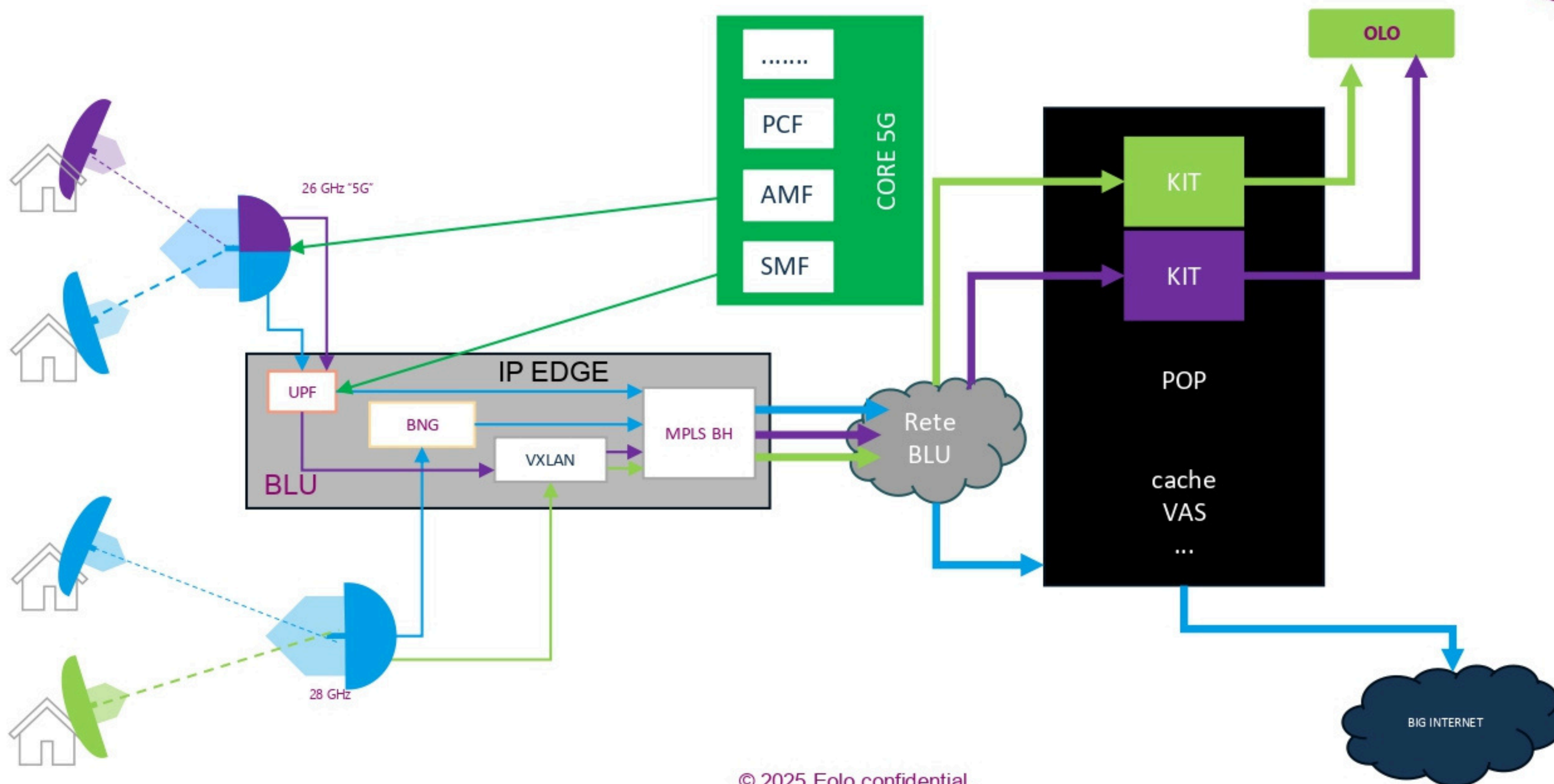
L2 Naked



5G – 1GBPS | ARCHITETTURA DEL SERVIZIO



L2 Naked - Nuovo layer "5G"



Un caso di successo: EOLO & KLIK FIVE NETWORK





Thank you!

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