



AFFORDABLE 5G

HIGH-TECH AND AFFORDABLE 5G PRIVATE NETWORK ROLL-OUT TO EVERY CORNER

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Atos

Motivation

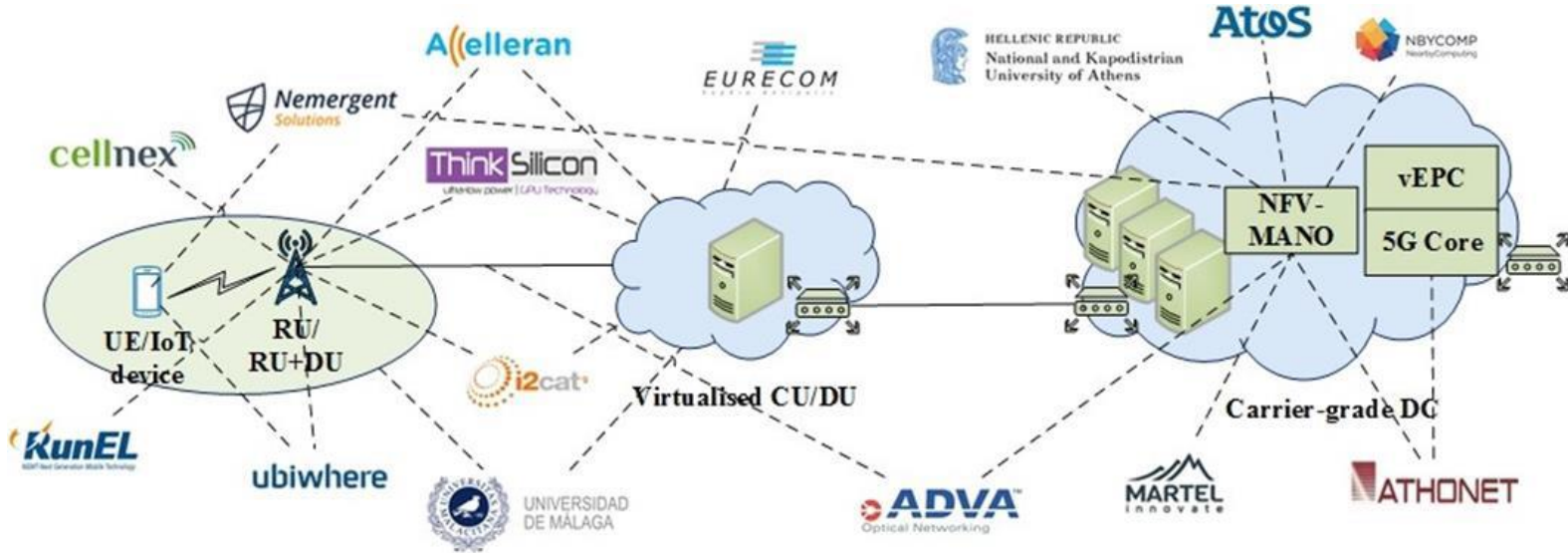
- 5G offers cutting-edge innovations
 - eMBB
 - URLLC
 - mMTC
- Majority of 5G deployments target outdoor public deployments
- 5G capabilities open new business opportunities in private scenarios, specially in industrial manufacturing

But 5G is still costly



Affordable5G

E2E **disaggregated** and **affordable** solution covering the needs of **private** and enterprise networks through technical innovation spanning **all parts of the network**



Affordable5G vision



Cost-efficient 5G solution

- Virtualization – NFV paradigm
- Open interfaces – O-RAN
- Hardware acceleration – FPGAs, GPUs
- Open platforms – Edge computing, MANO
- Enhanced sharing strategies – Slicing, neutral hosting



Affordable5G Objectives



Objective 1 – Optimize 5G Hardware Elements

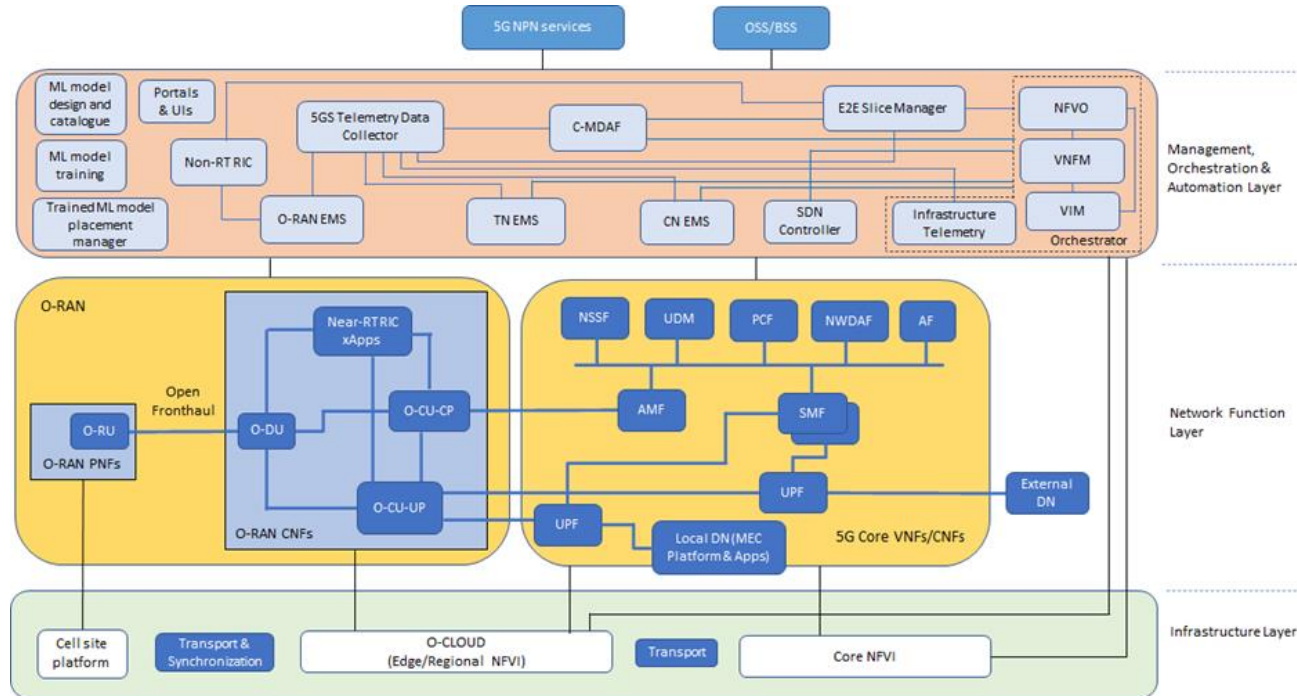
Objective 2 – 5G Dimensioning for dense deployments

Objective 3 – Address network sharing strategies as cost-savings

Objective 4 – Consolidate the usage of Open Platforms

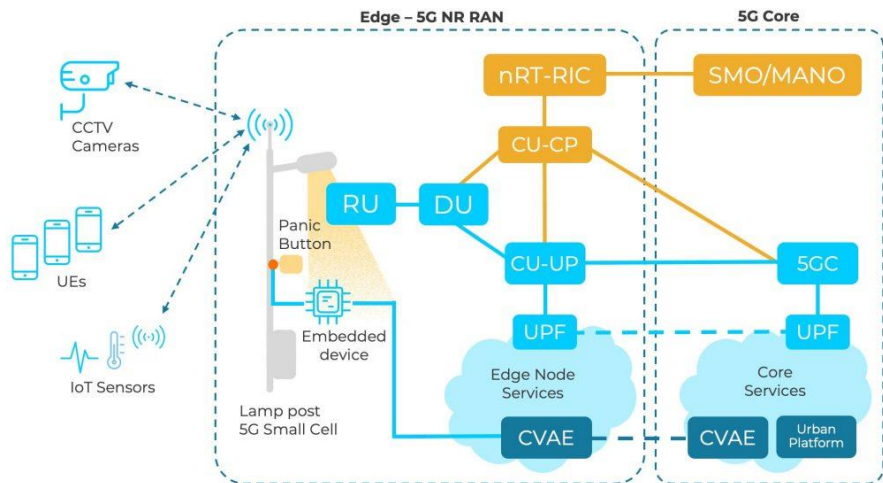
Objective 5 – Business Sustainability & Competitive Advantage

Affordable5G architecture

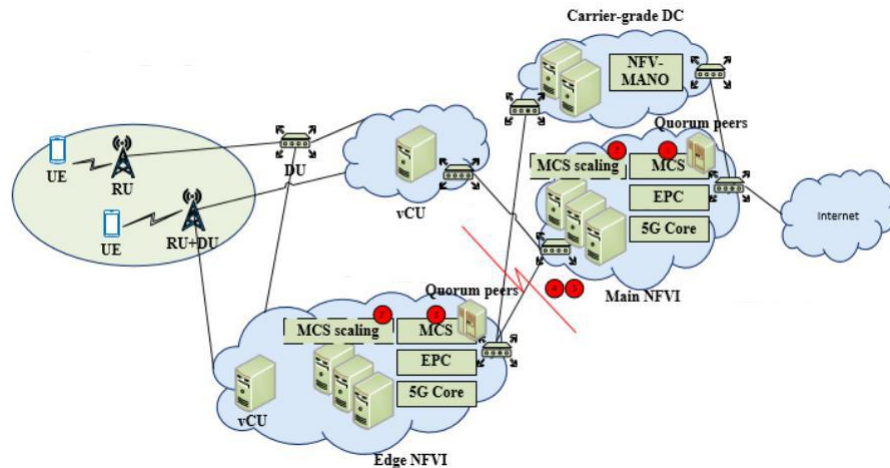


Affordable5G pilots

SMARTCITY EDGE AND LAMP POST IOT DEPLOYMENT

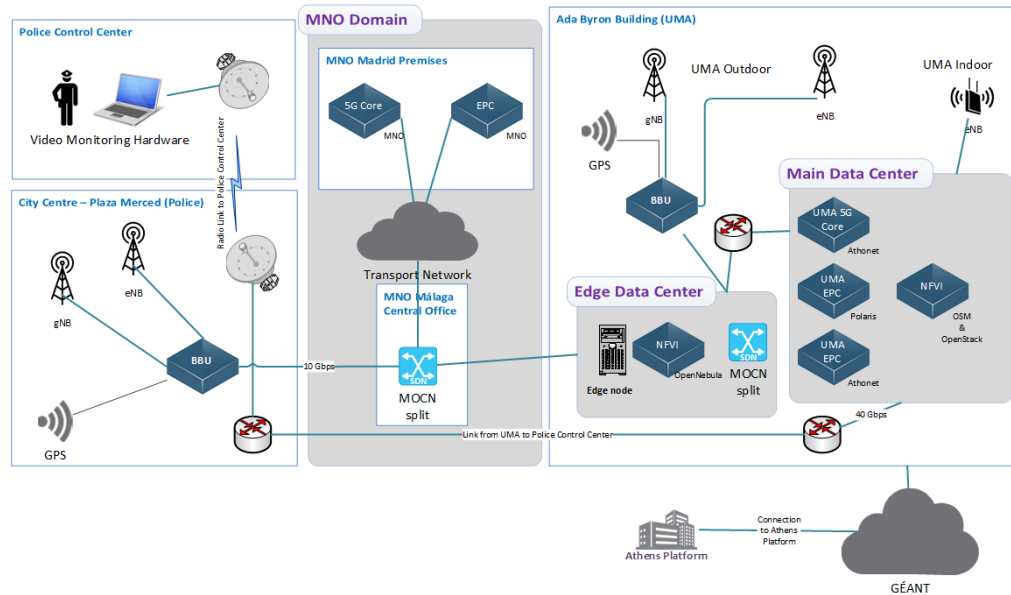


EMERGENCY COMMUNICATION CRITICAL SERVICES SYSTEM



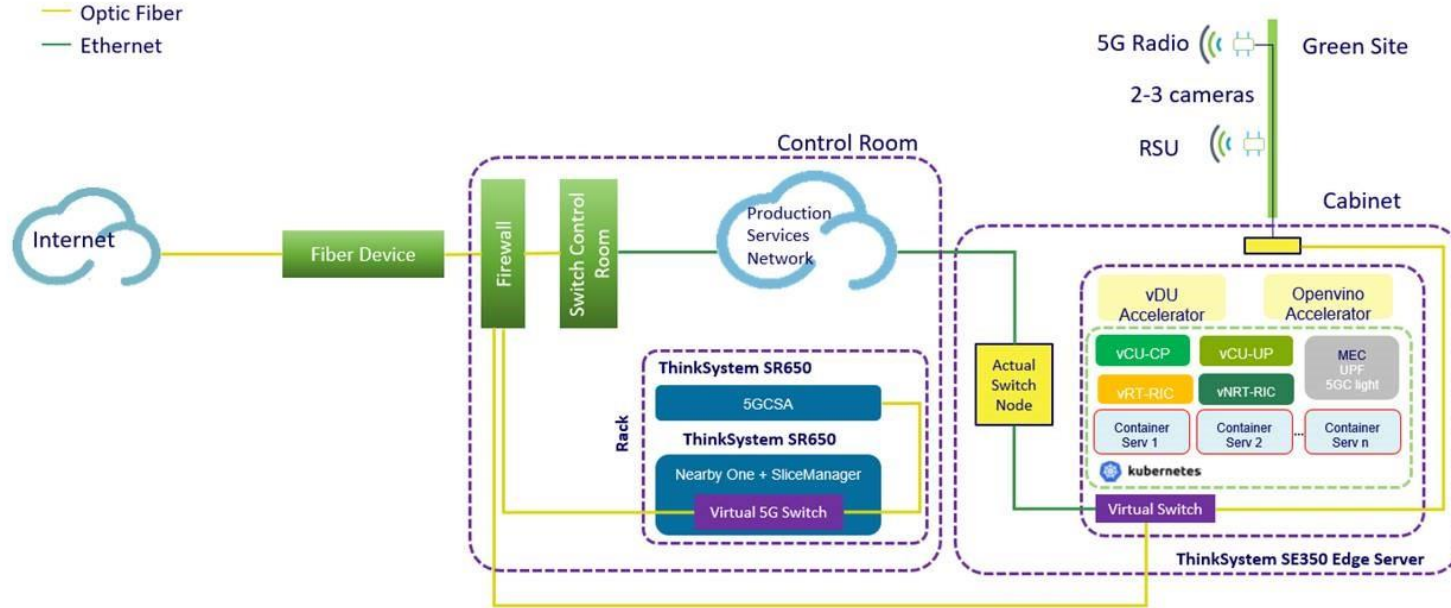
Malaga platform

5G platform deployed at UMA campus and connected to the Málaga city in the context of the phase 3 project 5GENESIS



Castelloli platform

Circuit ParcMotor Castelloli



Partners



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THIS PROJECT IS PART OF THE 5G PUBLIC AND
PRIVATE PARTNERSHIP

5G PPP WWW.5G-PPP.EU



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THANKS FOR YOUR ATTENTION