

The logo for 5G-VINNI features a stylized blue network icon on the left, composed of several interconnected squares and lines. To the right of the icon, the text "5G-VINNI" is written in a large, bold, dark blue sans-serif font.

UNIVERSITY OF
PATRAS
ΠΑΝΕΠΙΣΤΗΜΙΟ ΠΑΤΡΩΝ

 **Fraunhofer**
FOKUS

 **Lime** *microsystems*

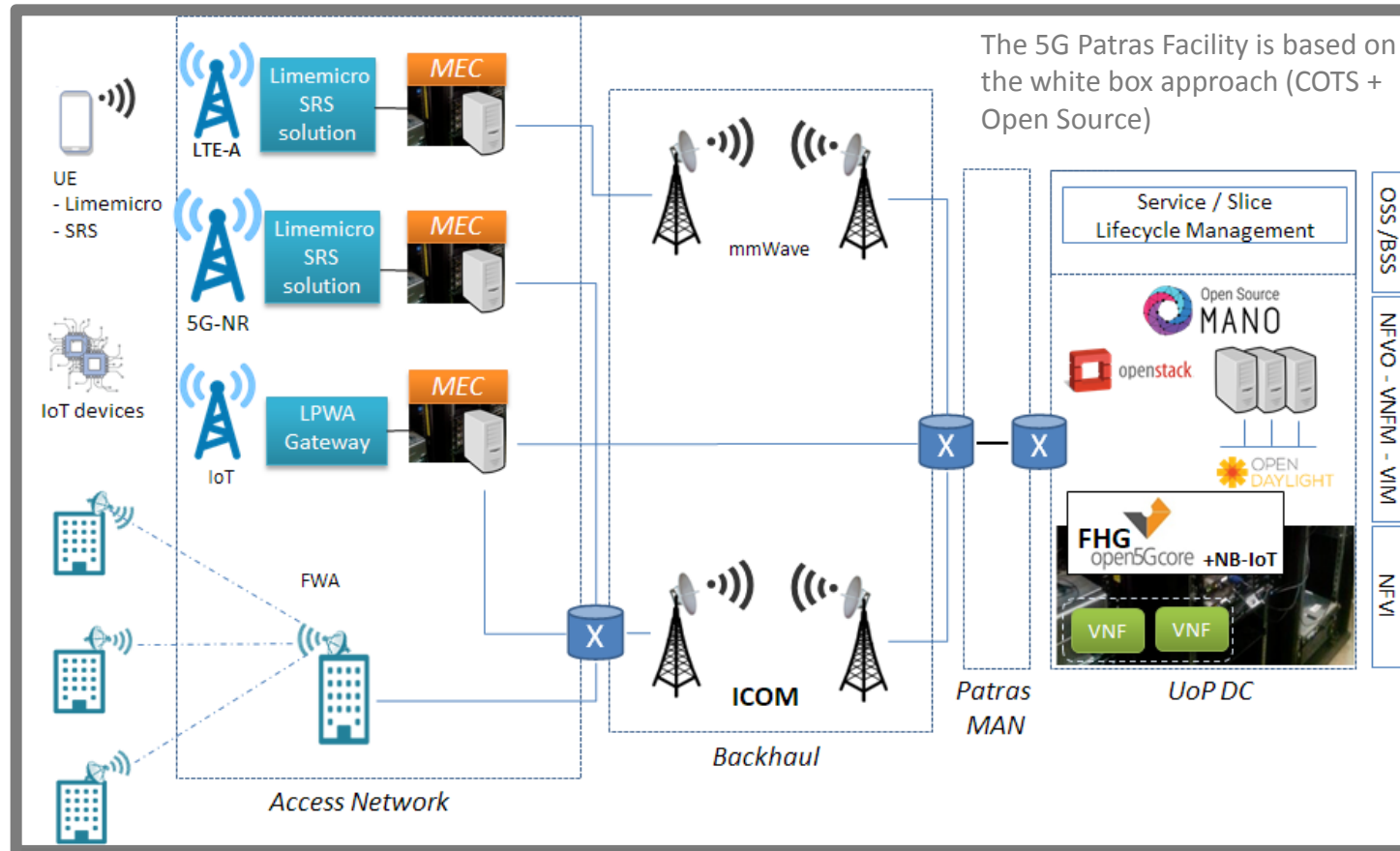
 **SRS**
SOFTWARE RADIO SYSTEMS

 **INTRACOM**
TELECOM

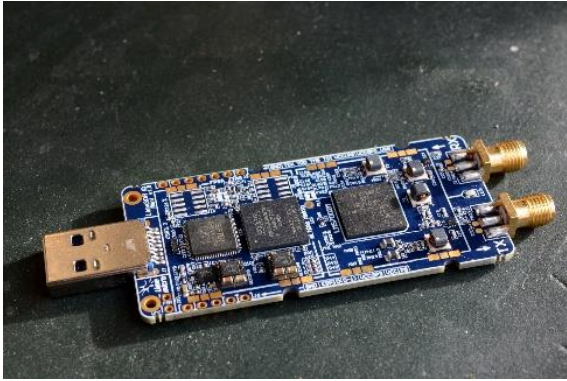
Patras/Greece Facility Site



5G-VINNI Patras/Greece Facility Site – Architecture



Equipment to be used



LimeSDR, LimeSDR Mini
UE on Laptops



LimeNET Mini
For Indoor Base Station test
as “crowdcell”
and as UE



LimeNET Base Station
Deployed outdoor

NB-IoT



SODAQ SARA Small Form Factor

5G-VINNI Patras Facility - NFVI

SDN Switch 1GbE/10GbE



10G

10G

10G



Patras NOC

GRNET CPE located in University



10G/SFP+

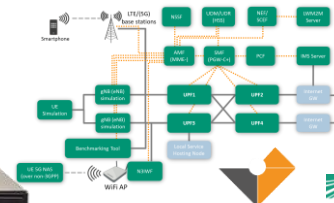
1G



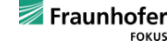
University



10G



open5Gcore



MANO: OSM

SDN Ctrl: ODL

2 x Dual Intel® Xeon® (80 cores)

2 x 2 x Intel® 10G Ethernet Server Adapter Intel 825992 x (4x RJ-45) Intel® 1-Gigabit Ethernet Server Adapter I350-T4V2

512GB RAM

DPDK, SR-IOV, EPA

Possible Locations depend on use cases e.g.

- City center
- Patras Port



ΠΑΛΙΟΛΑΚΚΑ

ΠΕΡΙΒΟΛΑΚΙΑ

Αγ. Βασίλειος

Τσαπαλατικά

5

Προσβόλας

Πίλο

Ζωήνη

Hospital

Πανεπιστημιακό Γενικό Νοσοκομείο Πατρών...

Science park

Patras main facility

Πανεπιστημιούπολη Πατρών

Innohub

Google

Μαγούλα

Αθηνών

Πανεπιστημίου

Διόδωρου

5G-VINNI Patras Facility Site locations



Indicative Deployment Plan

Note:

The number and the location of the interconnected 5G sites in Patras will depend on the needs of the verticals to be supported

Patras Area as a playground for Vertical Industries



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5G-VINNI



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Patras/Greece Facility Site

<https://www.5g-vinni.eu/greece-main-facility-site/>

