

PROVIDING SMALL CELLS AS A SERVICE: MULTI-TENANCY AND EDGE CLOUD CAPABILITIES

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About ORION...

- ORION INNOVATIONS P.C. is a startup SME founded in 2013, dedicated to innovation in the fields of networking and telecommunications.
- Rapid on-demand deployment of cutting-edge network services in the form of Virtual Network Functions (VNFs) – such as network monitoring tools, security appliances, proxies, media close to the mobile nodes.
- Locating virtual service processing nodes closer to users reduces latency, improves throughput, and reduces traffic in the network core.



Involvement in 5GPPP SESAME

- Development/demonstration of innovative architecture, capable of providing SC coverage to multiple operators, “as a Service”.
 - Logical partitioning of SC network to multiple isolated slices, as well as their provision to several tenants.
- Support of enhanced multi-tenant edge cloud services by enriching SC with “micro servers”.
- Placement of NFV at the network edge (LTE access network) for end user application service.
 - vTraffic Classifier & vMulti-Operator Caching
 - Provision of virtualized execution infrastructure

Interested for new stakeholders

- VNF developers for LTE functions (functional splitting) & service provisioning
- Virtualised EPC that be combined with virtualized Small Cells
- Industries that can benefit from micro servers at the network edge
 - Multimedia
 - Automotive
 - Energy
 - IoT & M2M
- Telecom Operators
- Regulators