



MOSAIC-5G.io

A community led consortium

Leveraging an Ecosystem of 5G services

What is Mosaic5G?

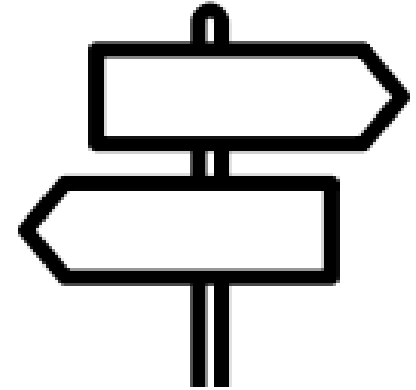
A non-profit initiative fostering a community of industrial as well as academic contributors for open-source software development to realize the service-oriented vision of 5G

Why Mosaic5G?

Mosaic5G was formed to develop, promote, and share an ecosystem of open-source platforms and use-cases for 5G system R&D leveraging SDN, NFV, and MEC tech enablers

Mosaic5G-Directions

1. Control and data plane programmability
2. Model-driven network service orchestration with RAN/CN plugins
3. Plug-and-play network applications and platform SDKs
4. Open datasets, analytics and big data for telecom
5. Blend of communication, computing, and analytics



Mosaic5G-Software Defined 5G

Cloud & NFV

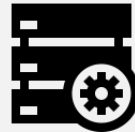


Application



- RAN Optimization
- Network slicing
- IoT Gateway
- Content caching

MEC



- CN Control & Data Plane separation
- Abstraction & Programmability
- Application SDK

SDN



- RAN Control & Data Plane separation
- Abstraction & Virtualized Control Functions
- RESTful API

Network



- LTE eNB
- OpenFlow switch
- Ethernet switch

Mosaic5G-Ecosystem platforms



LL-MEC

**A Low Latency SDN-based
MEC Platform**



FlexRAN

**A Flexible & Programmable
SD-RAN Platform**



JOX

**An event-driven juju-based
service orchestrator core**



Store

**Network function & application
distribution Repository**



Open5G Lab

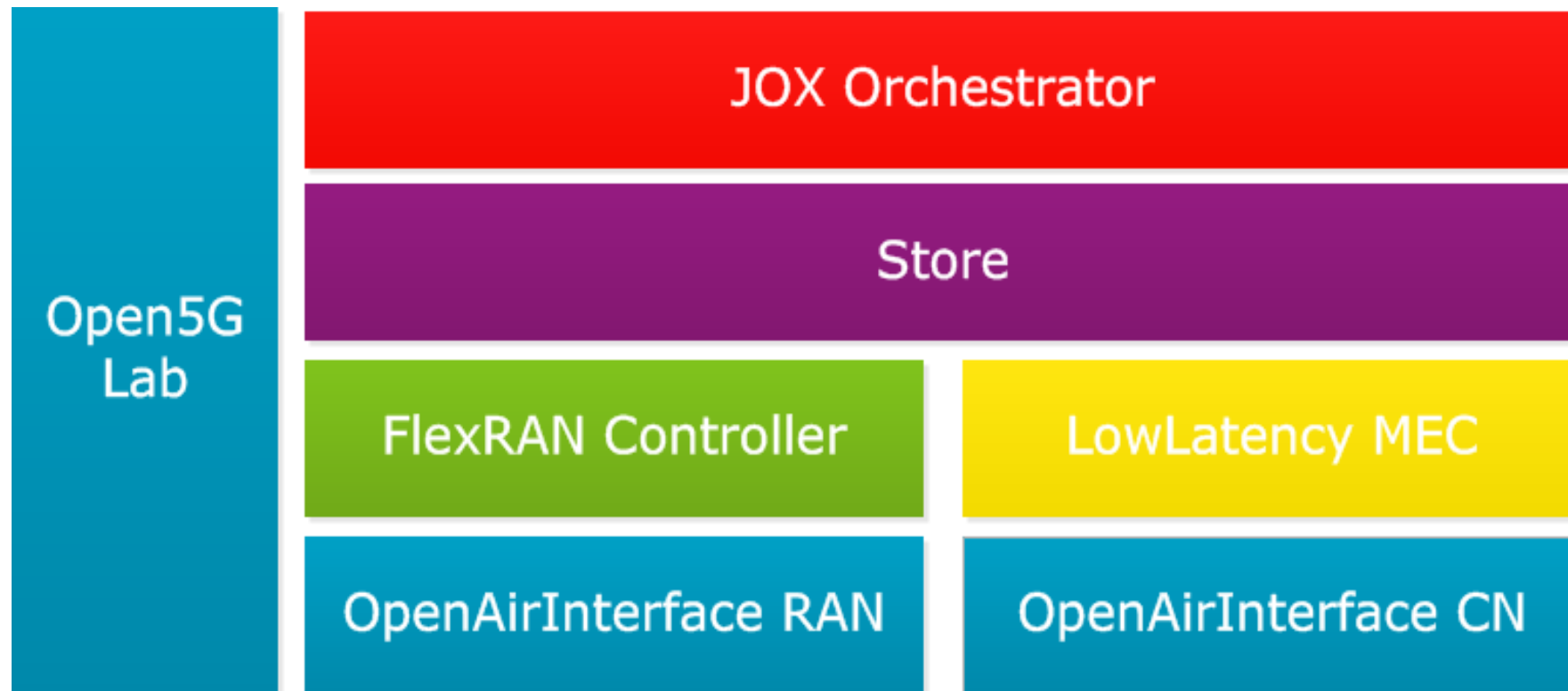
**Access to 4G/5G network
facilities and perform experiments**



My Project?

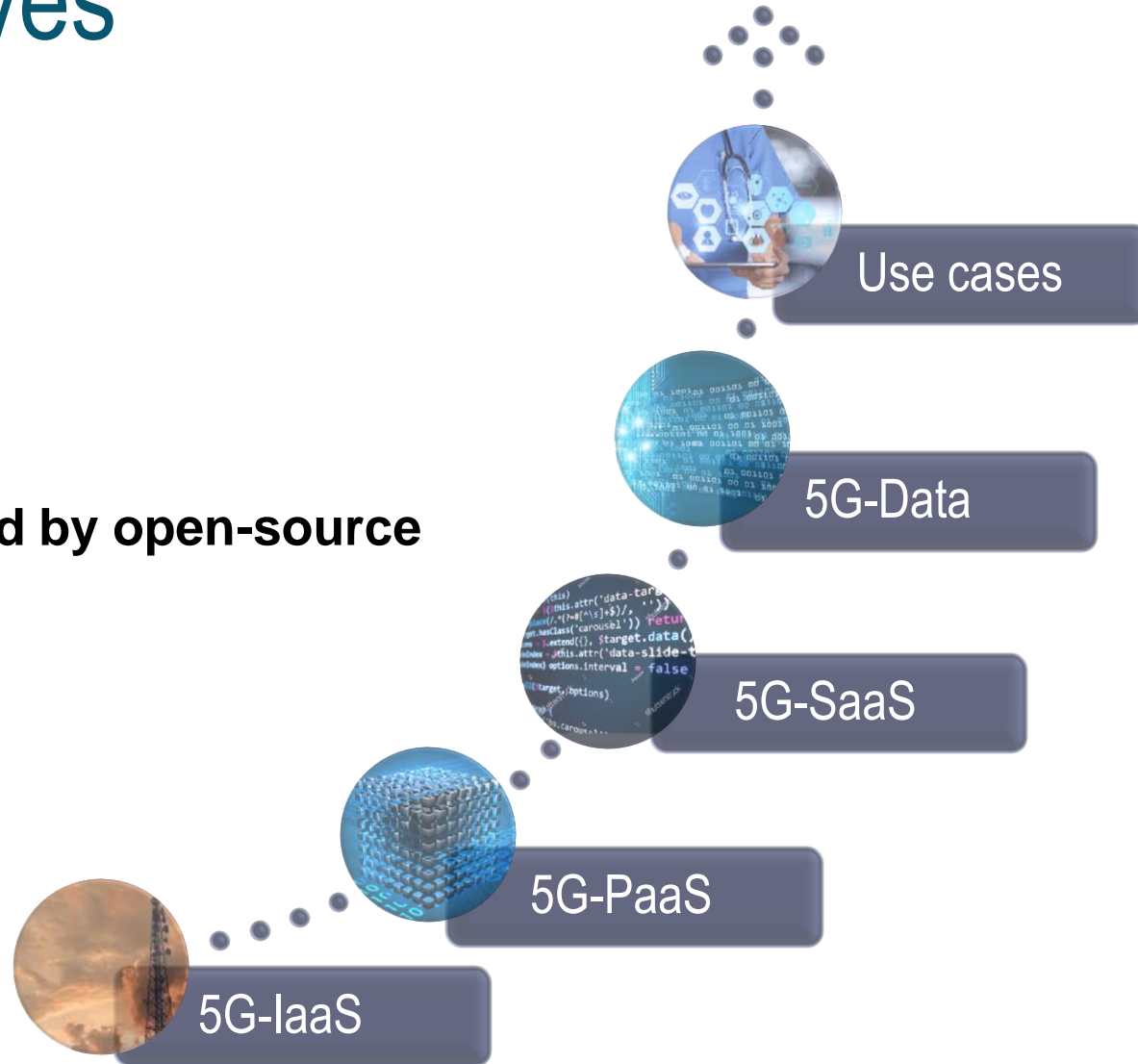
**Create a project and
build your use-case**

Mosaic5G-Ecosystem schema



Mosaic5G-Objectives

5G Innovations empowered by open-source



Mosaic5G-Use cases



eHealth



Green Networks



V2X



IoT

Mosaic5G-Channels

- ETSI

- OSM, NFV, SDN, MEC

- OPNFV

- Functest, and PoCs

- ITU

- WG 13

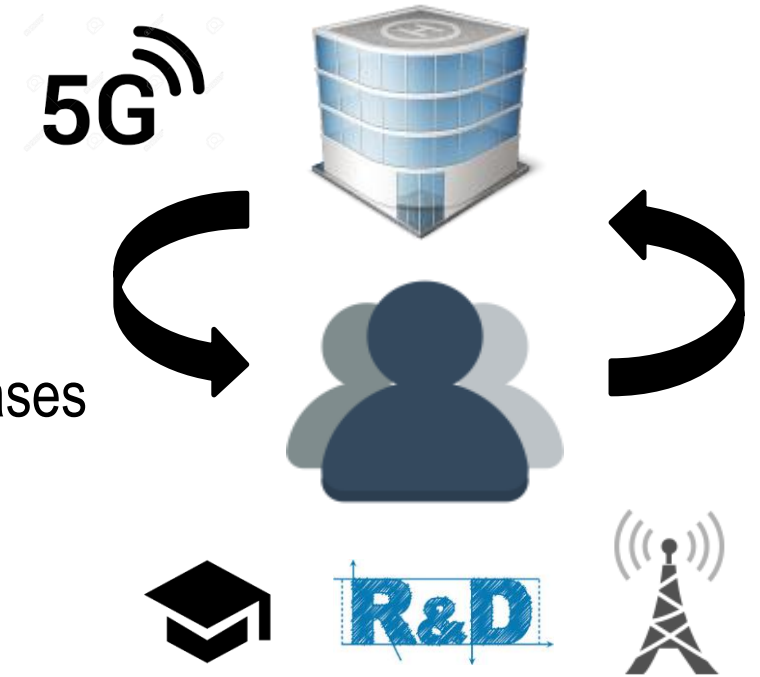
- 5GPPP

- E.g. Coherent, Q4Health, 5GPicture, SliceNET



Mosaic5G Community

- ❑ Initiate, promote, and share R&D activities, projects, and use cases
- ❑ Develop and extend collaboratively Mosaic5G ecosystem
- ❑ Explore the open-source opportunities with other communities
- ❑ Identify a common roadmap with third-party entities



Mosaic5G-Membership

User

Free of Charge

Access to the binary code and documentation

Access to mailing lists and get support

Right to use Mosaic5G brand

Share use-case and PoC

User reference for communication

Partner

Free of charge

Access to the source code and documentation

Training and prototyping support

Early access to new features and fixes

Initiate collaborative R&D projects

Contribute to the source code

Sponsor

Contracting Partner

Establish an R&D project

Build, validate, and deliver a PoC prototype

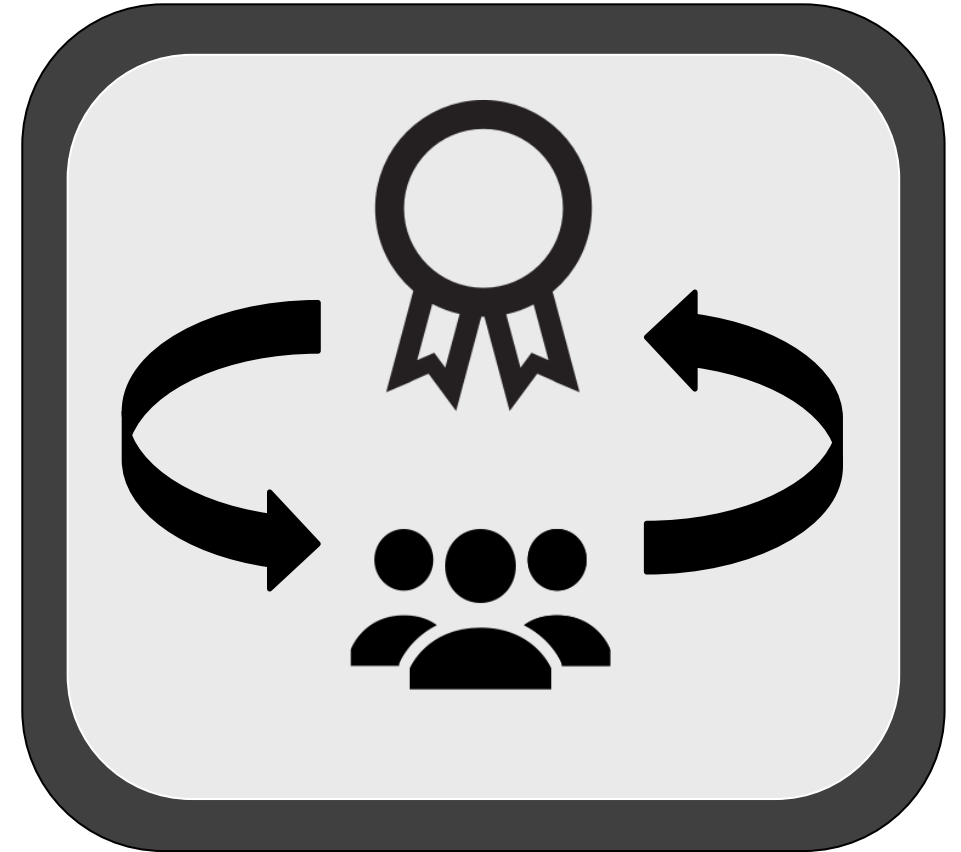
Technical advisory

Access to the Mosai5G lab environment

User and partner benefits

Mosaic5G-Licence models

- Mosaic5G User/Contributor License Agreement
- Mosaic5G Software Licenses
 - FlexRAN : Apache V2.0
 - LL-MEC: Apache V2.0
 - JoX: Apache V2.0
 - Store: Apache V2.0
 - OpenAirInterface :
 - OAI-RAN: OSA License
 - OAI-CN: Apache V2.0
- Mosaic5G Platform License
 - Access to Open5G infrastructure
- License for the contributors of new software
 - Apache V2.0 or any compatible license s such as MIT



Mosaic5G-Contact

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