The 5G Barcelona trial facility

www.5GBarcelona.cat
Main features

- **Business model**: Hybrid public/private.

- **Projects using your platform**: H2020 / 5G PPP: mainly FLAME, 5G-City, 5GCar, METRO-HAUL, but also 5G-TRANSFORMER, BlueSpace, 5GTANGO.

- **Use cases**: Media and Entertainment, Smart Cities and Buildings, Energy, Automotive & transport, eHealth Manufacturing.

- **Technologies available**: Heterogeneous NW Access, Targeted Software Networks (SDN/NFV), Cloud and Edge computing functions, IoT Enabler Functions, Localization Techniques, Satellite link access.

- **Measurement/test/certification tools**: Oscilloscopes, signal/spectrum/networks analysers. Software modules, vDPIs, monitoring computing infrastructure for specific KPIs, etc.

- **Connectivity**: 5G Barcelona wireless sites and labs are connected through optical metro network. Additionally 5GBarcelona offers international connectivity and federation with other pilot sites through a 10 Gbps circuit to GEANT, and a peering point for roaming through a Carrier House node. Compute and network resources of 5GBarcelona are managed as an integrated resource pool, and made available through open APIs to third parties.

- **Operational support**: Fault management, performance monitoring, trouble ticketing system.