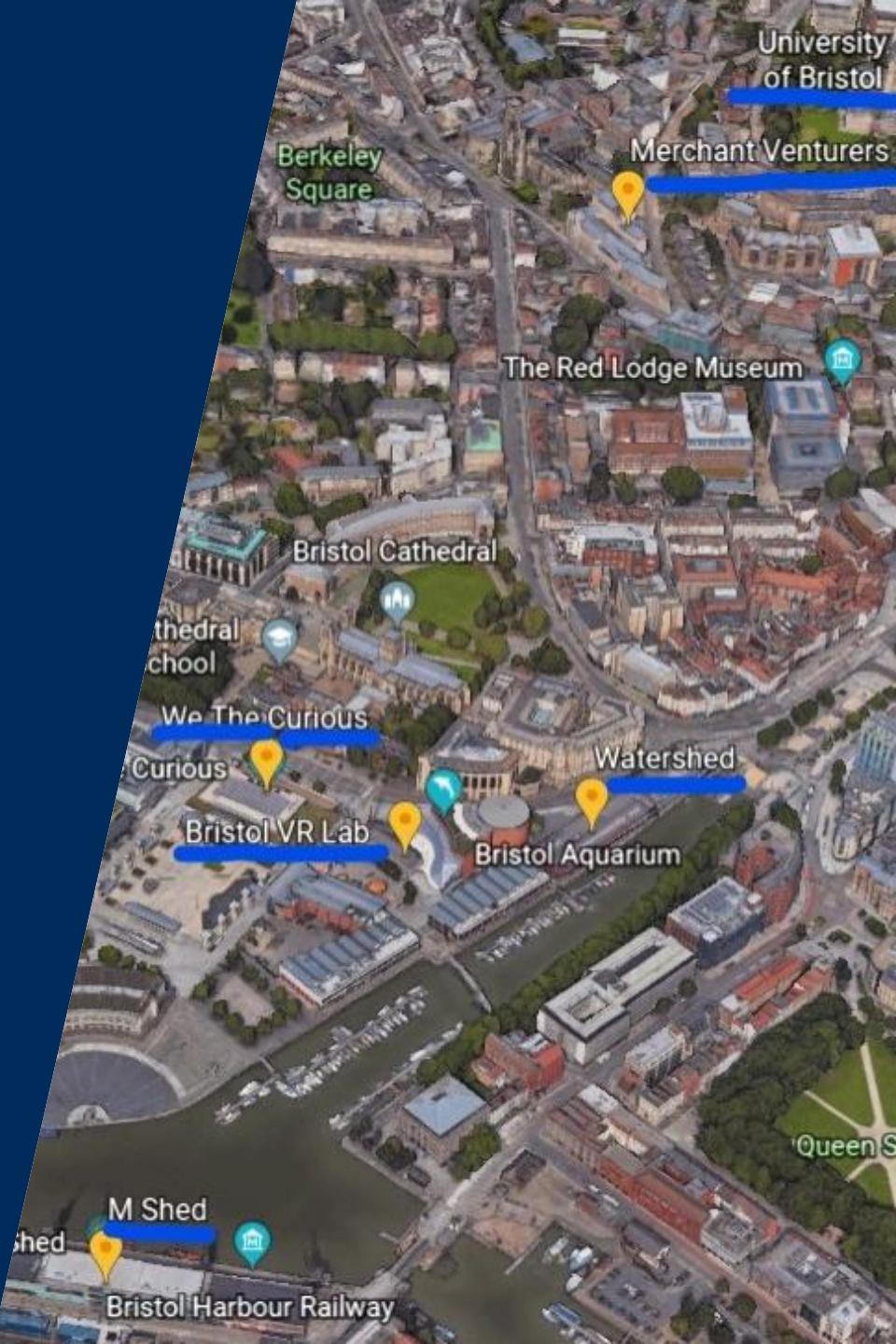




5GUK Test Network University of Bristol

Dr Hamid R. Falaki,
Mr Navid Solhjoo
September 2019

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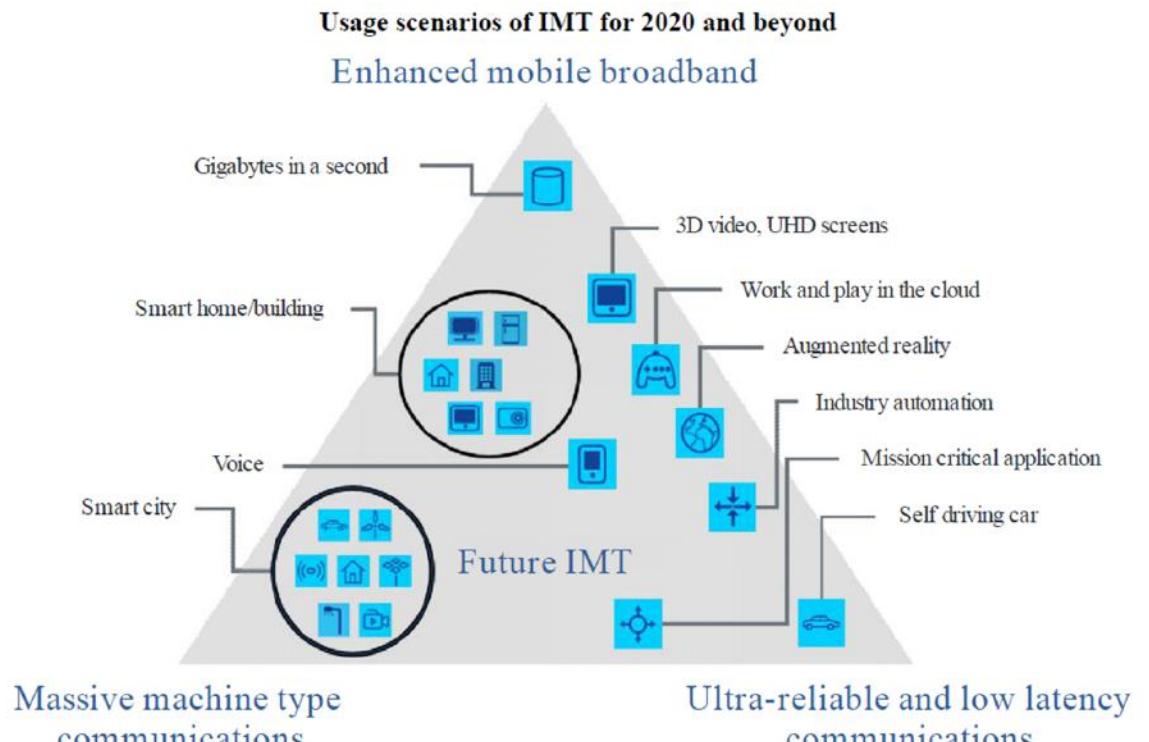


Our Objectives → 5G Test Network for Research & Experimentation



Use Cases -

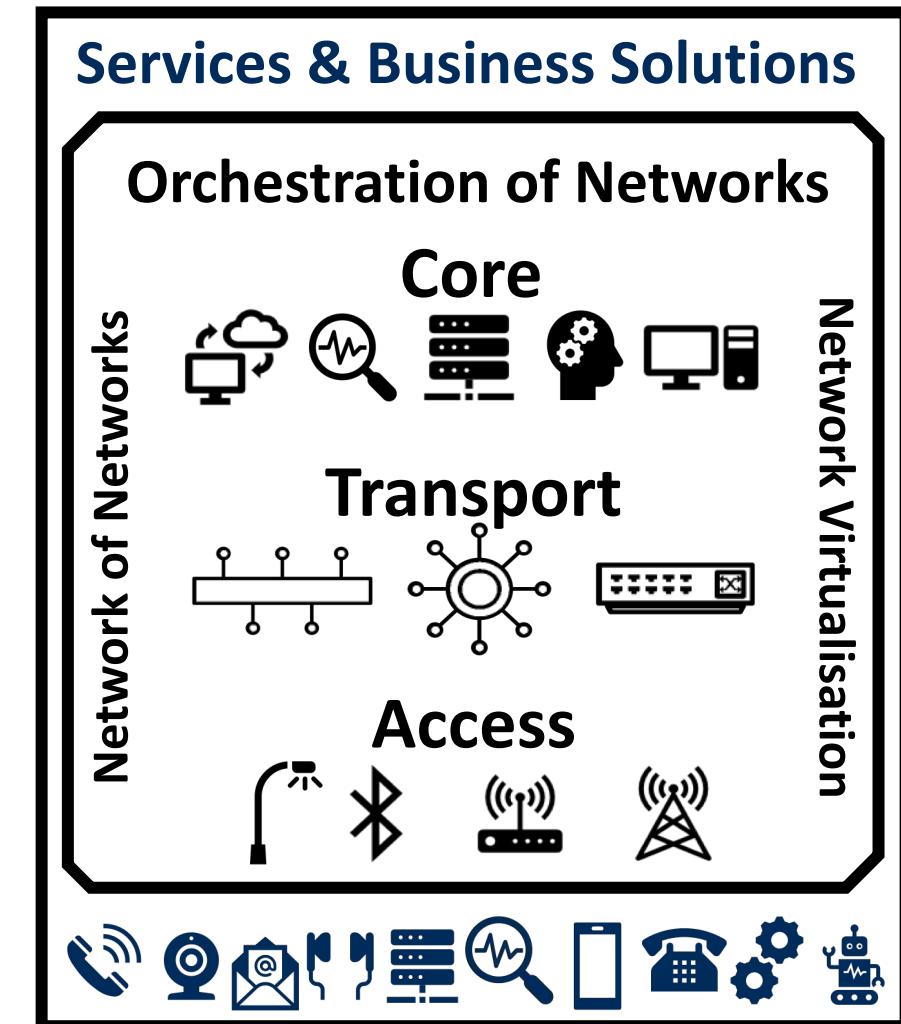
- (eMBB)
Enhanced Mobile Broadband
- (URLLC)
Ultra Reliable Low Latency Communications
- (mMTC)
Massive Machine Type Communications



https://www.itu.int/dms_pubrec/itu-r/rec/m/R-REC-M.2083-0-201509-I!!PDF-E.pdf

5GUK Test Network Features

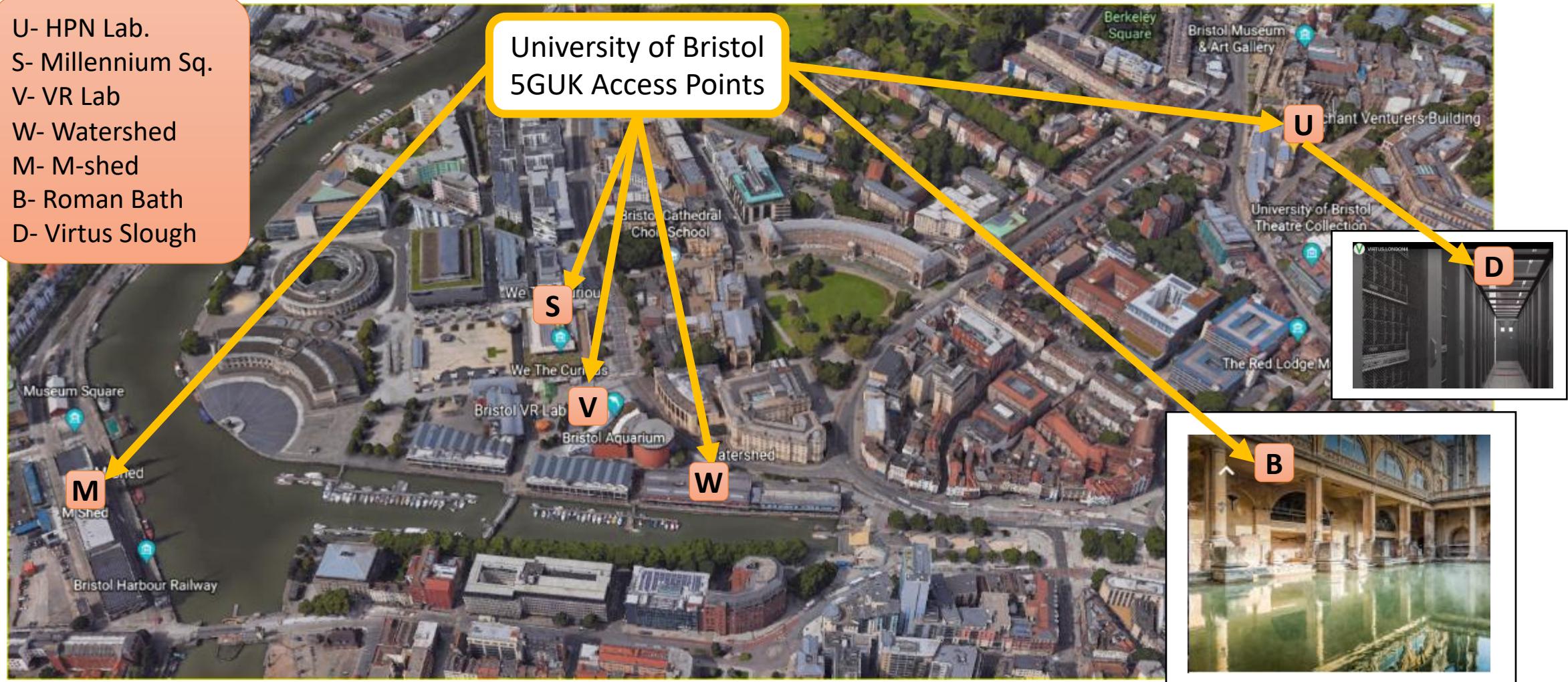
- (OSM) Open Source (MANO) Management & Orchestration
- (SDN) Software Defined Networks
- (NFV) Network Function Virtualisation
- (MEC) Multi-Access Edge Computing
- (ML) Machine Learning
- (AI) Artificial Intelligence
- Network Monitoring and Analytics



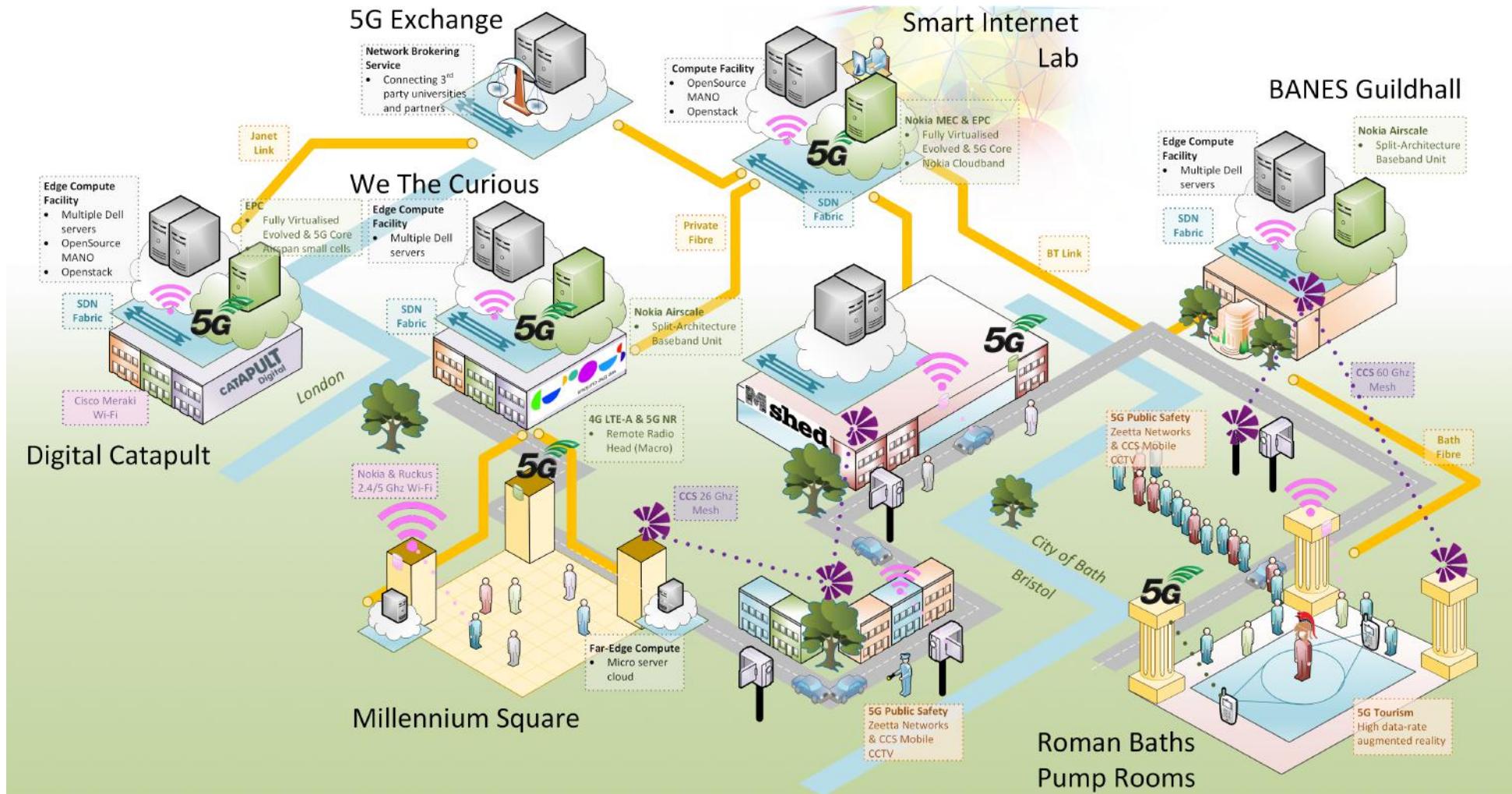
5GUK Test Network Coverage



U- HPN Lab.
S- Millennium Sq.
V- VR Lab
W- Watershed
M- M-shed
B- Roman Bath
D- Virtus Slough



Network Connectivity



2018 Showcase – Demonstrations Layered Realities



Orchestrating the Orchestra,
Synchronised Performance over 5G



5GUK Exchange,
Solution Architecture for 5G Hub

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University of
BRISTOL
Smart Internet Lab



University of
BRISTOL

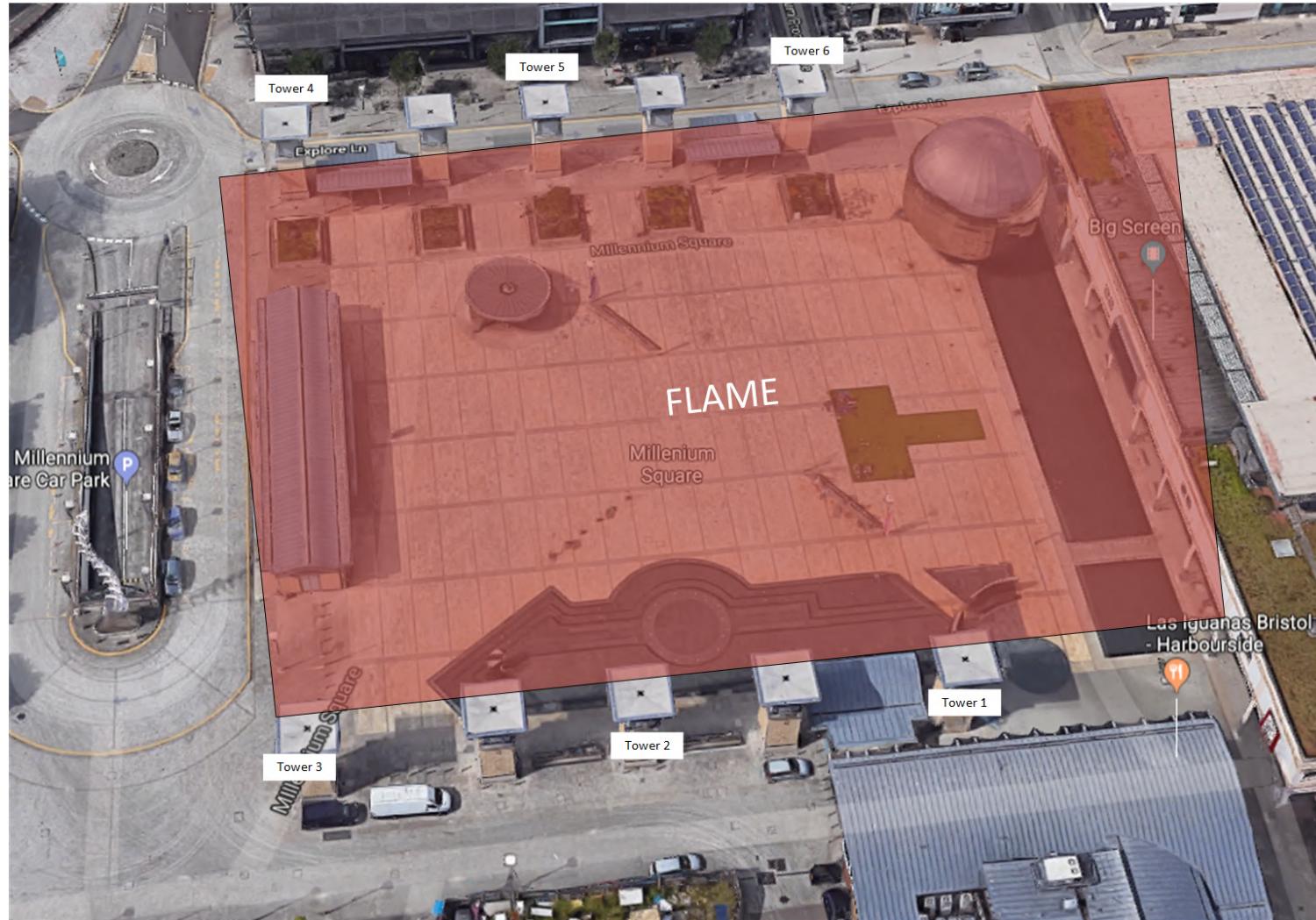
bristol.ac.uk

<http://www.bristol.ac.uk/engineering/research/smart/5g-demonstrations/>

Dedicated SSIDs per tower



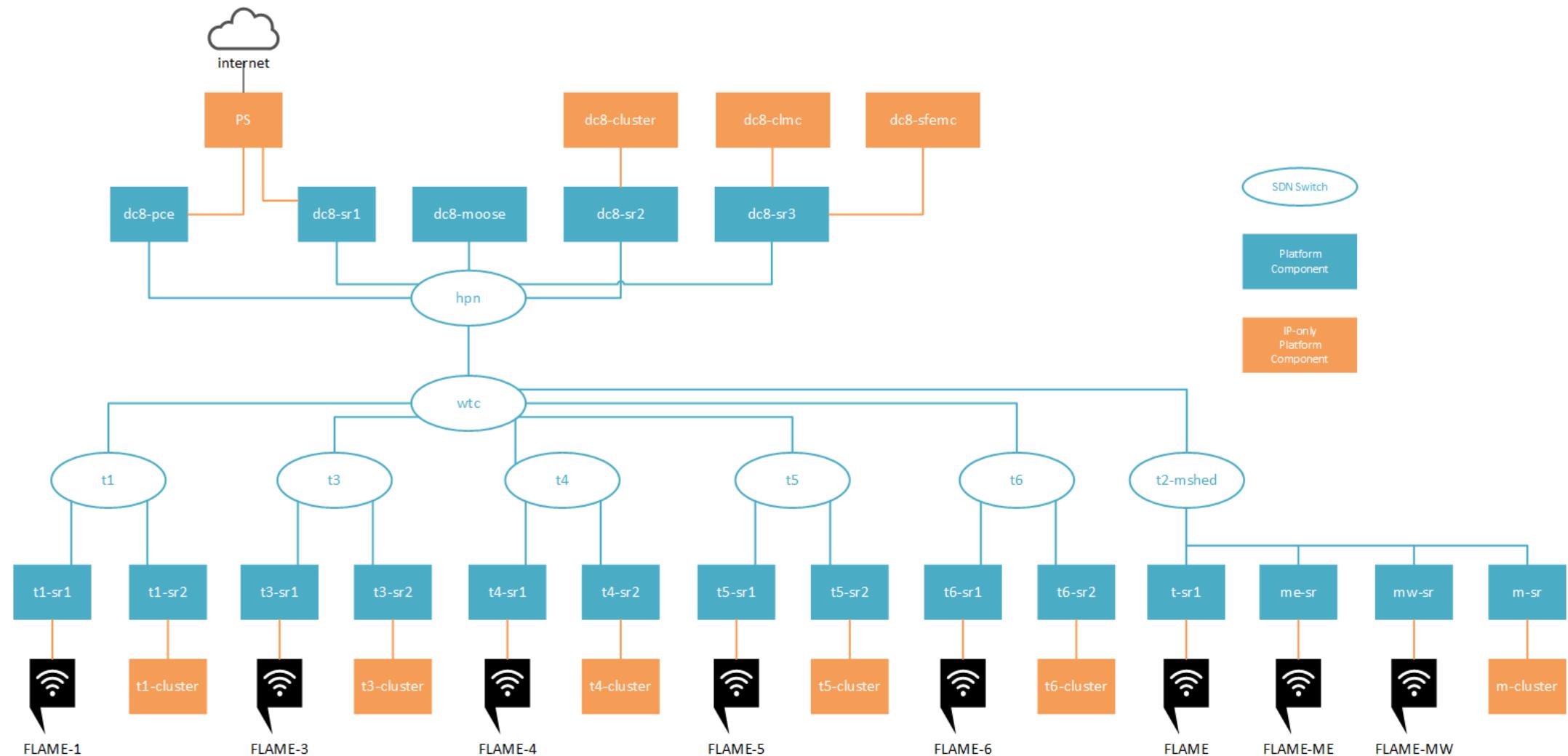
FLAME SSID



M-Shed Museum



FLAME platform



Access the network



- This is possible after the application has passed previous stages: Sandbox, Sandpit, etc
- Request VPN access to SIA network in Bristol.
- Plan travelling to site after successful testing on Bristol infra remotely., because the implementation is not the same as Sandpit etc.

Thank you

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