

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

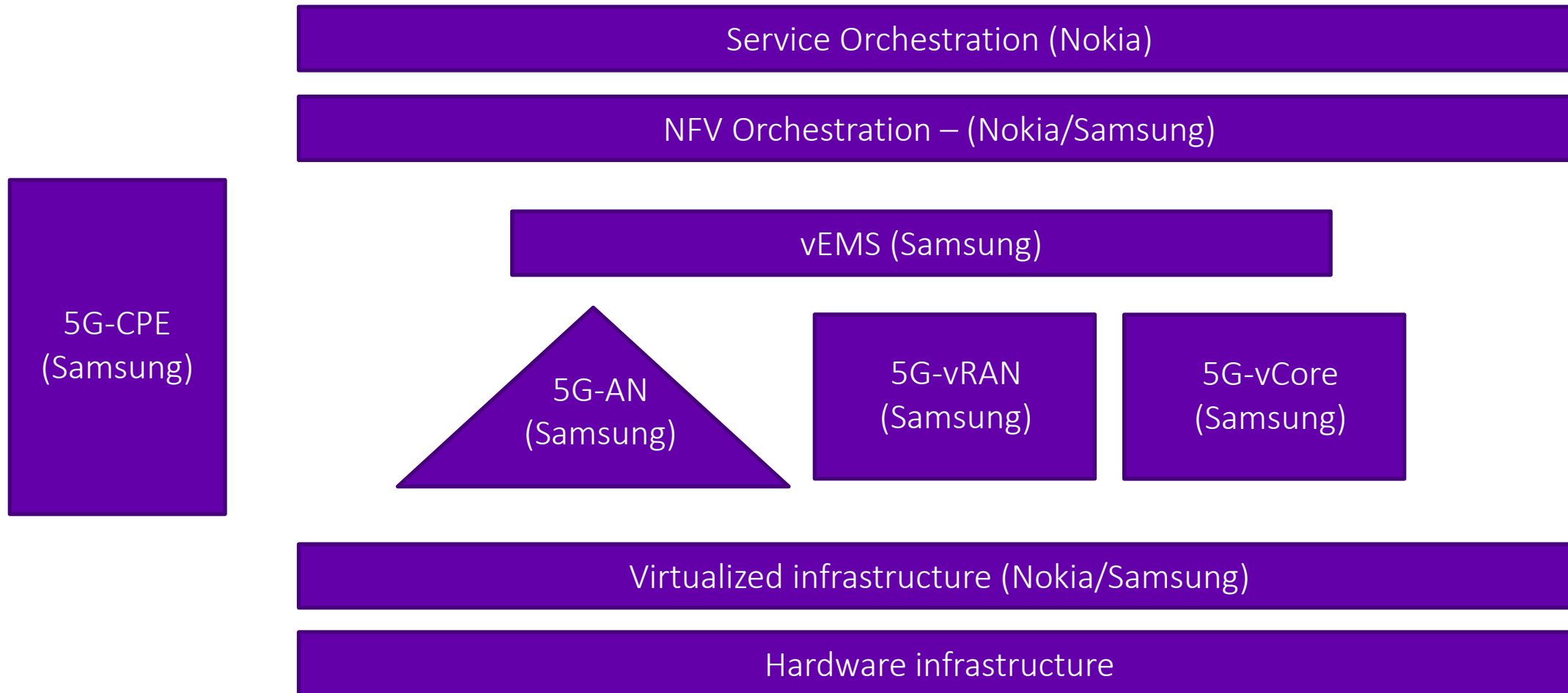
5G-VINNI

UK Facility

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Top-level Architecture



Target Capabilities & Use Cases

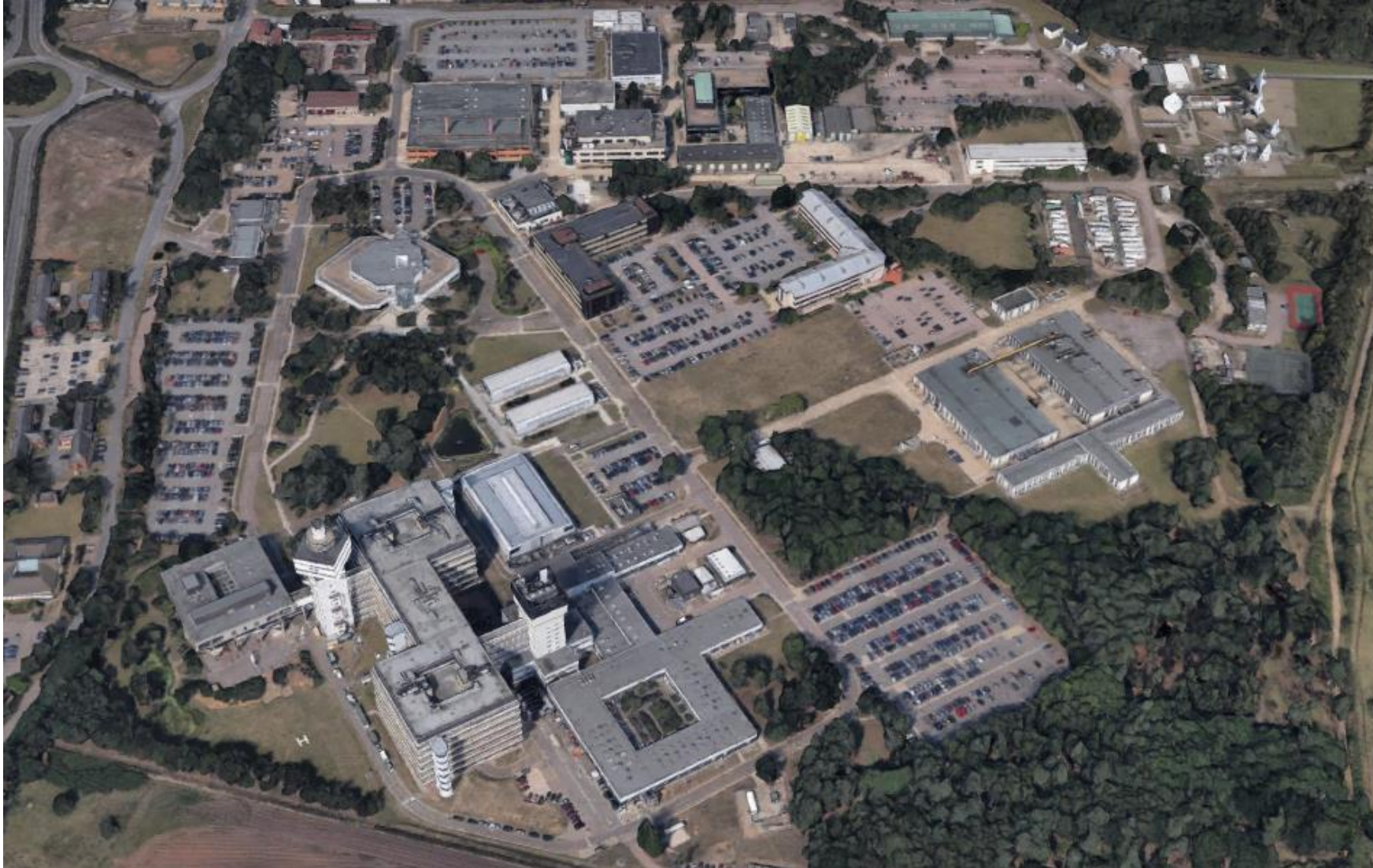
- Slicing (eMMB, URLLC, mMTC)
- Service Orchestration (Nokia)
- NFV MANO, NFVI and vEMS (Samsung)
- MEC
- 5G RAN incl. 3.5 and 26/28GHz (Samsung)
- 5G Core (Samsung)
- 3GPP compliance
 - Rel'15 in 2019, Rel'16 in 2021
 - NSA in 2019, SA in 2021

The Adastral Park facility will support the full range of 5G use cases, providing enhanced mobile broadband, massive machine-type comms and mission critical comms.

We expect to be able to demonstrate a wide range of applications, for example in public safety & disaster relief, media production & distribution, health & social care, transport & connected vehicles, augmented & virtual reality, and other 5G innovations.

The intention will be to develop a flexible and dynamic test environment which can be adapted to meet requirements from ICT-19 projects and external trial requirements.

Adastral Park – Site Geography and Features



Samsung's 5G Network Architecture

Both Above & Below 6GHz mixed Radio and Virtualized Network

