



Introduction

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5G Expectations vs Reality.

How close are we to meet the expectations?

Self driving



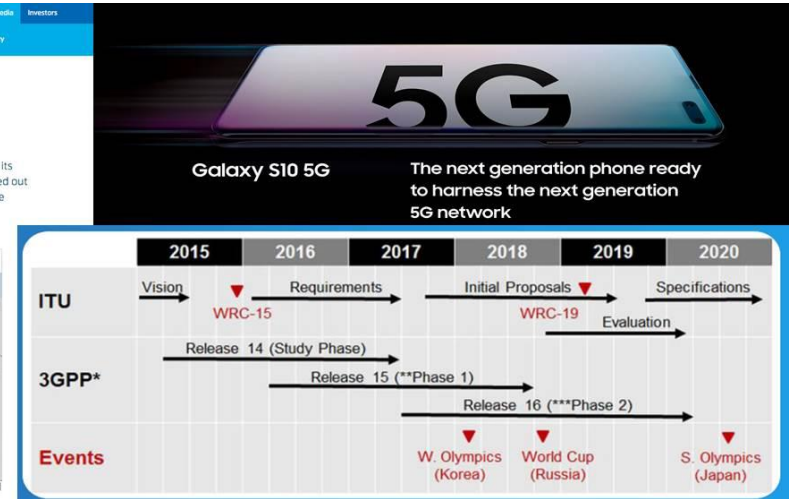
Drones



Consumer



Public



5G-VINNI will show a closer look on how 5G can meet the expectations

Self driving

Drones

Consumer

Public Safety

5G

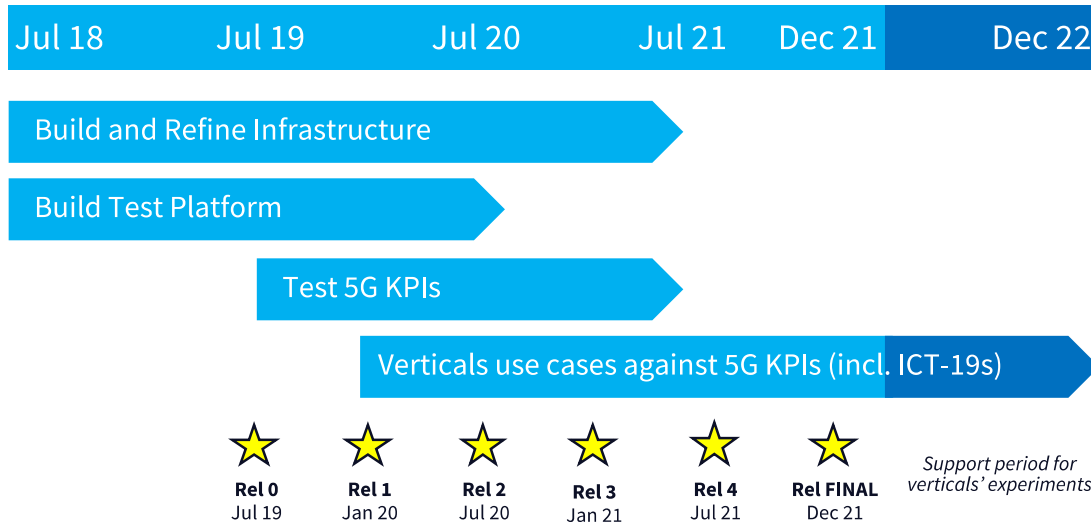
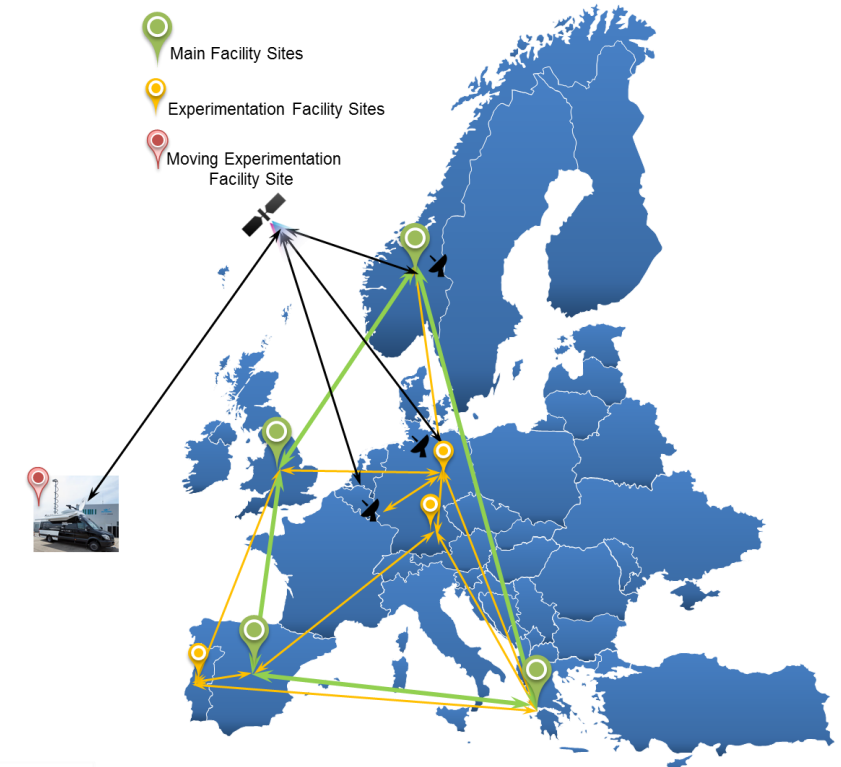
Galaxy S10 5G The next generation phone ready to harness the next generation 5G network

	2015	2016	2017	2018	2019	2020
ITU	Vision	Requirements	Initial Proposals	Specifications		
		WRC-15		WRC-19	Evaluation	
3GPP*	Release 14 (Study Phase)		Release 15 (**Phase 1)			
				Release 16 (**Phase 2)		
Events				W. Olympics (Korea)	World Cup (Russia)	S. Olympics (Japan)

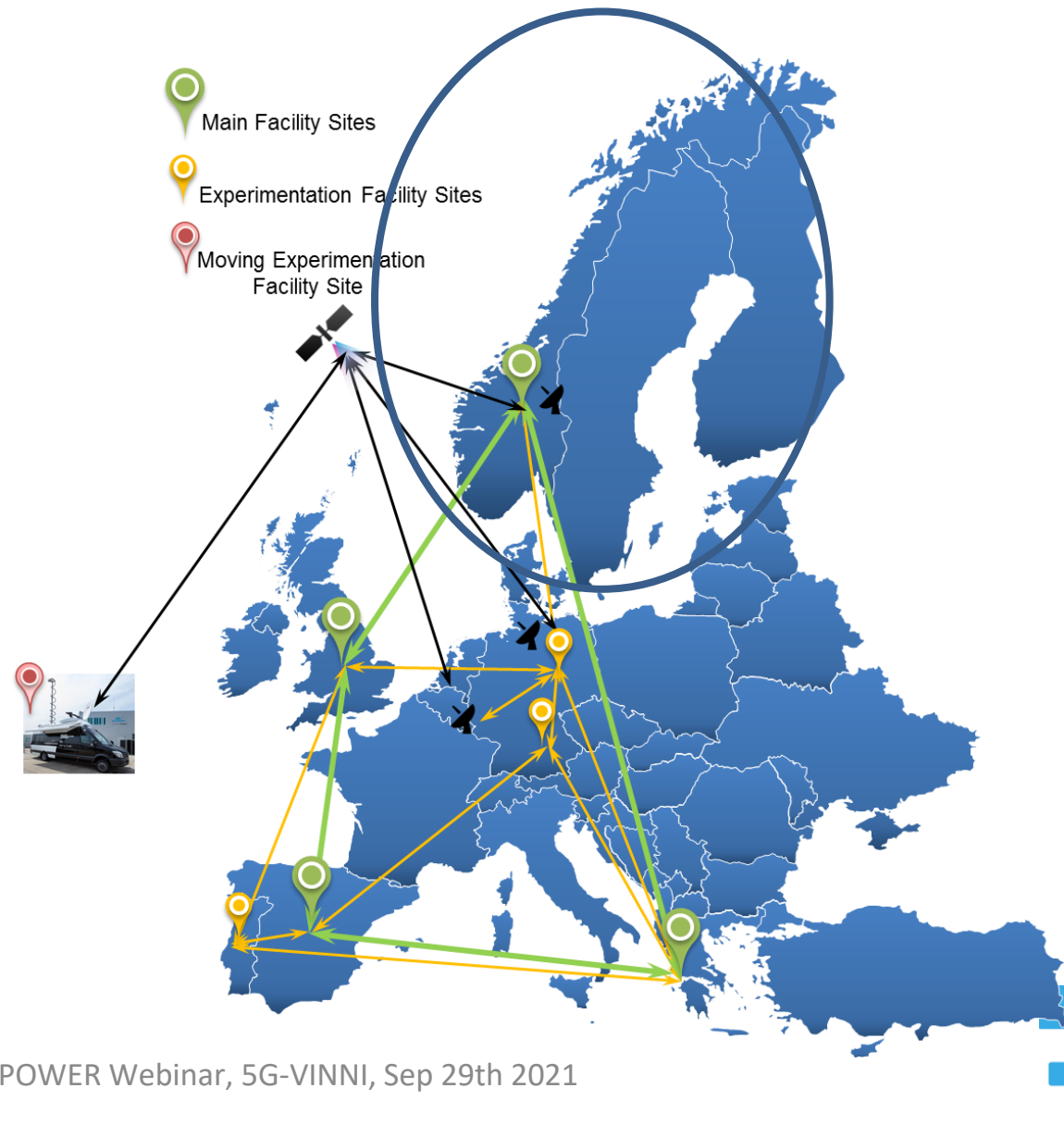


5G-VINNI (5G Verticals INNOvation Infrastructure)

- Build an open 5G End-to-End facility that can
 - Demonstrate that key 5G network KPIs can be met
 - Be used by vertical industries to test relevant use cases.
- Duration: 1.July 2018 – 31 December 2021
- Consortium: 23 partners (operators, vendors, academics, SMEs)
- External Stakeholder Board (vertical industries)



5G-VINNI (Norway Facility)



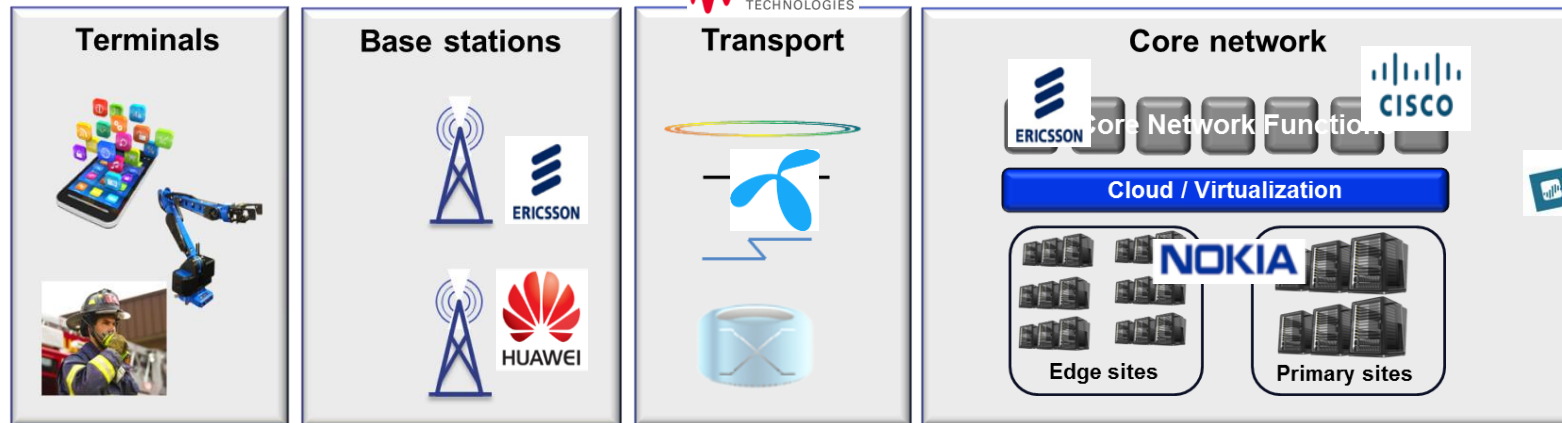
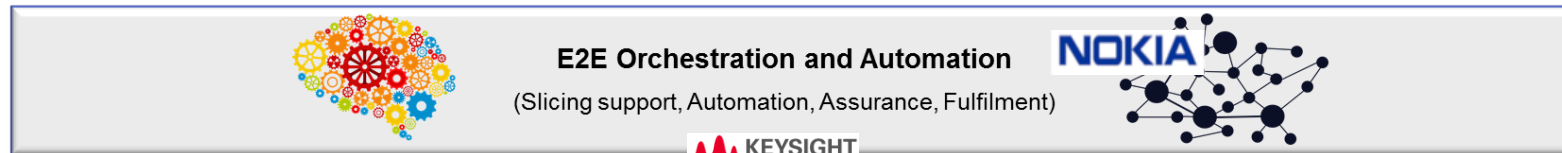
Services offered by the 5G-VINNI Norway Facility

Network Slice-as-a-Service (NSaaS)
eMBB network slice as a service
uRLLC network slice as a service
mIoT network slice as a service
Customised network slice

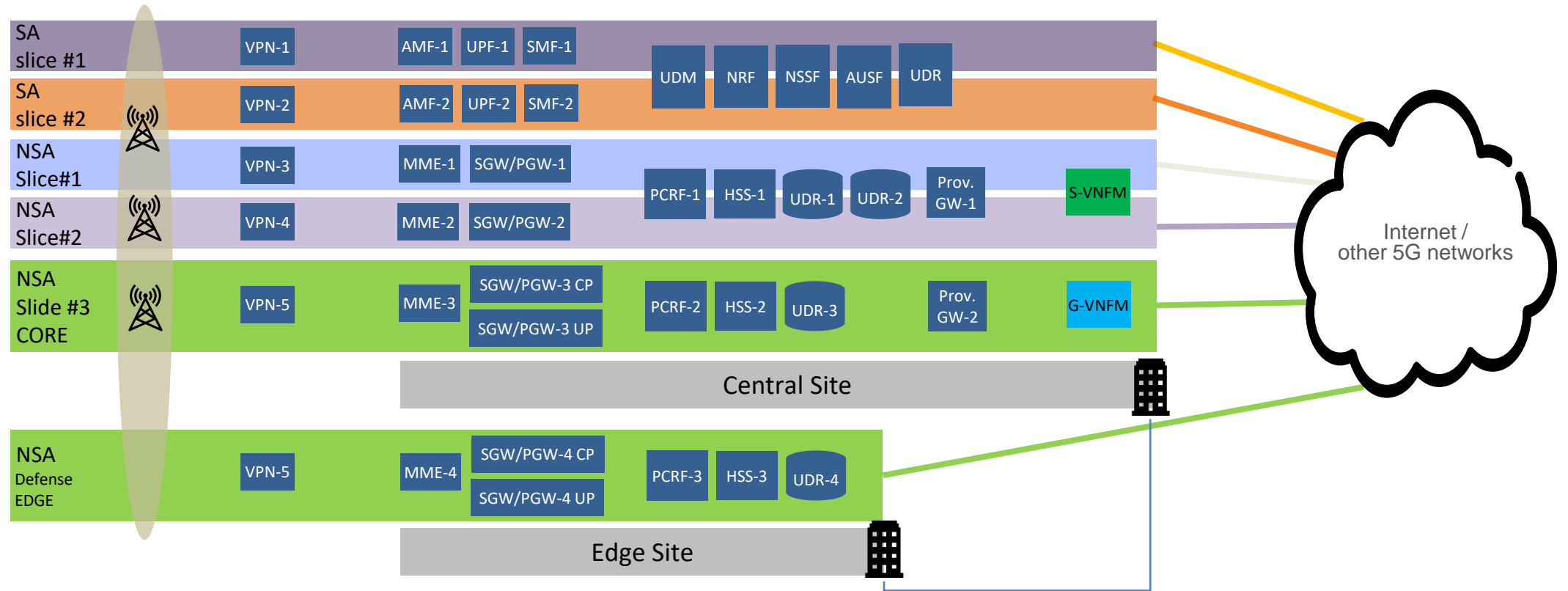
Value Added Services
Monitoring-as-a-Service
Testing-as-a-Service
Security-as-a-Service
3 rd party VNF hosting
Distributed data fabric
Edge and Autonomous Edge
Flexible backhaul for redundancy (e.g. Satellite)
Interconnection with other 5G sites



5G-VINNI Norway Facility site and relation to Verticals

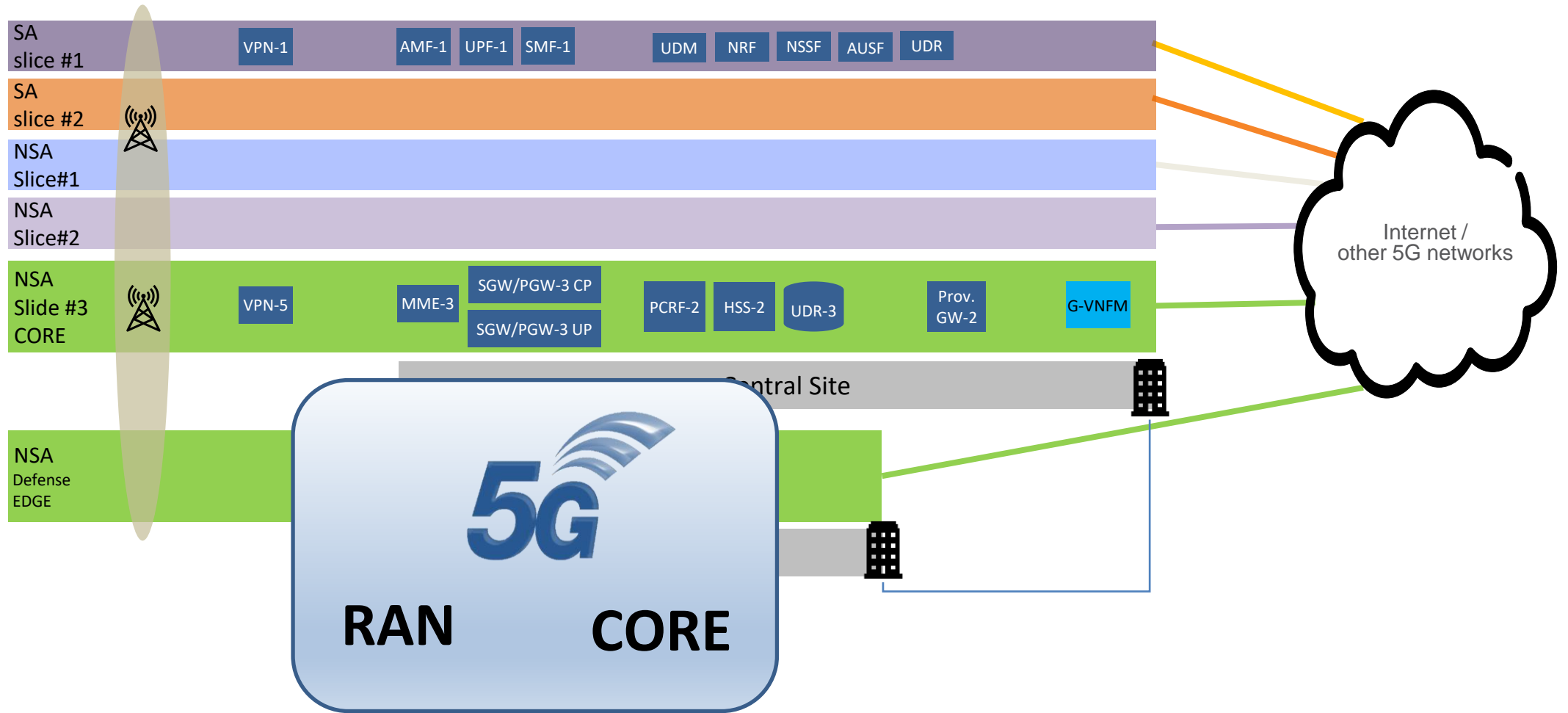


Slices implemented with 5G StandAlone (SA) and Non-StandAlone (SA) and Non-StandAlone (SA)



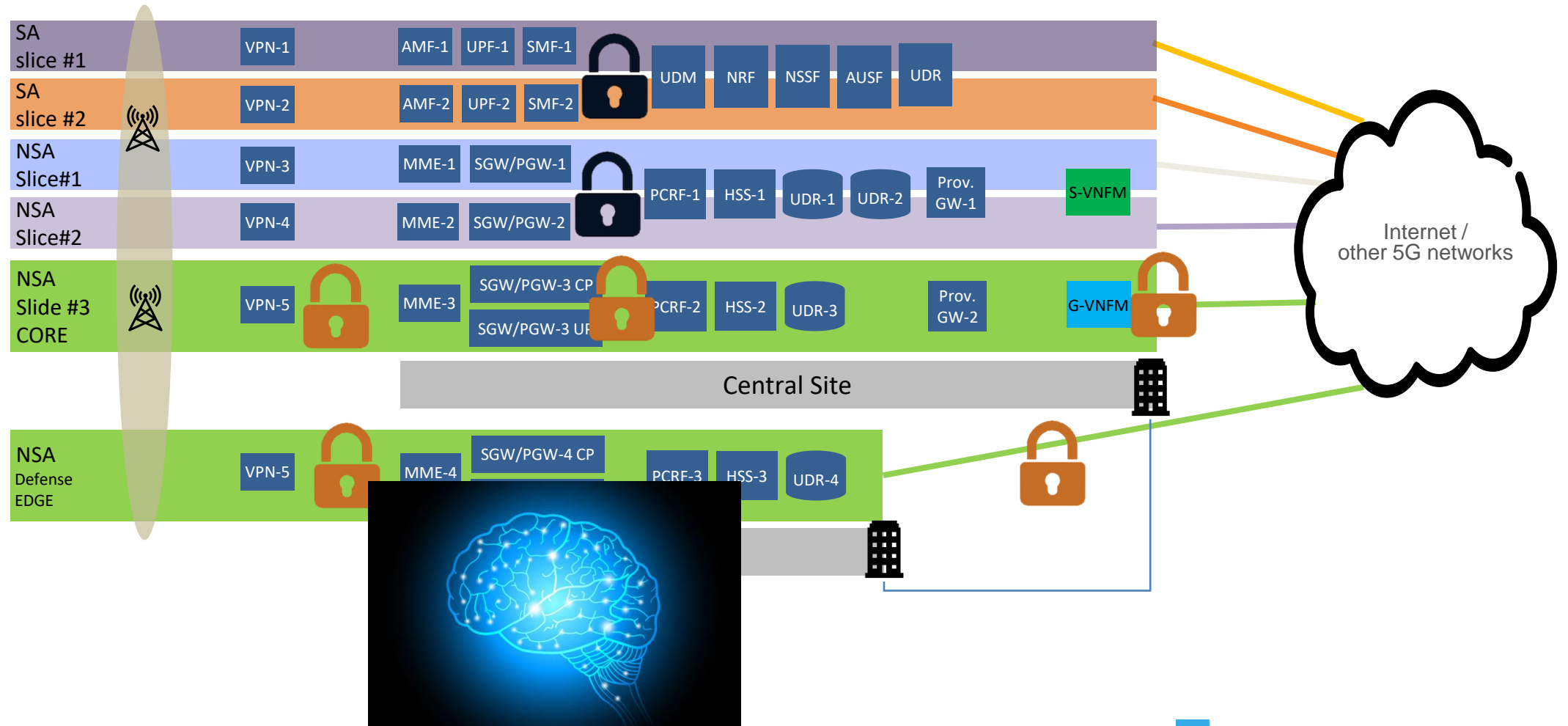
Key Concept 1:

5G RAN and CORE are the fundamental components in a 5G Deployment.



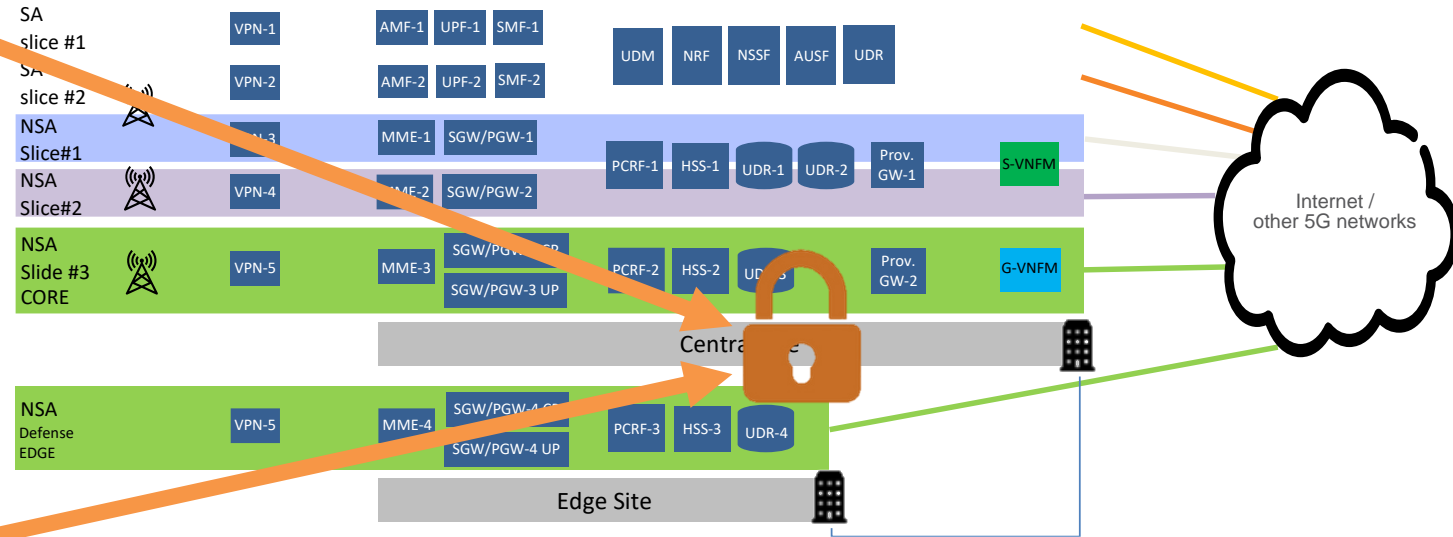
Key Concept 2:

Automation is fundamental to take advantages of 5G



Key Concept 3:

Implementation of relevant Use Cases on Public Safety to better understand how to reach the 5G expectations



5G-VINNI Key components to understand better how to reach the 5G expectations

