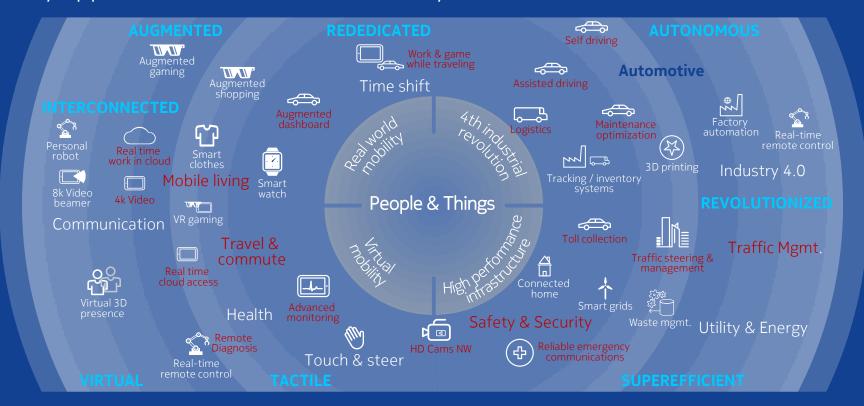
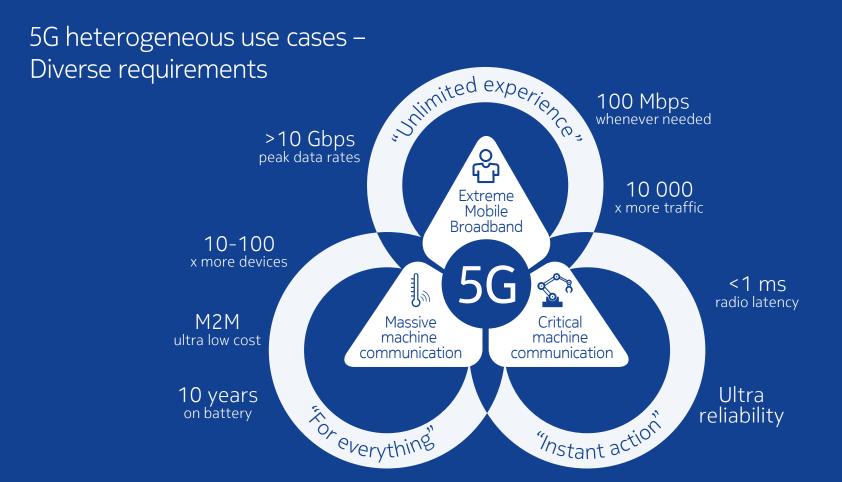


# 5G foster explosion of possibilities - Many applies to the Automotive Industry







5G heterogeneous use cases -Automotive Industry





# Unlocking new spectrum assets | Foundation for 5G Leveraging all bands , ranging from ~400MHz - 100GHz



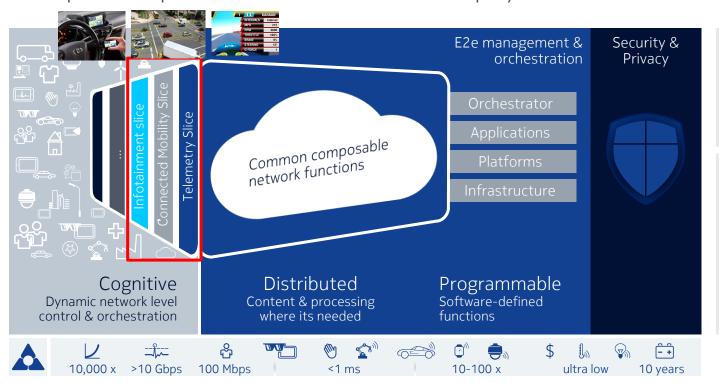


Different Automotive services may be deployed in different frequecy bands



#### Network Slicing | Optimized service delivery for heterogeneous use cases Multiple independent instances on one physical network





Different Automotive services may be deployed in different Network slices

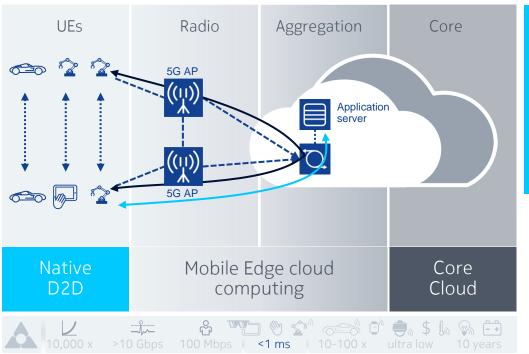
"Connected Mobility Platform" for one eco system: to support multiple services, authorities and to serve anybody on the road.

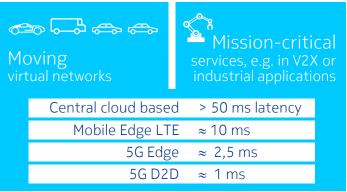
\*5G Novel Radio Multiservice adaptive network Architecture



### Fast traffic forwarding | Enabling a new generation of latency critical services Lowest latency packet forwarding to UEs

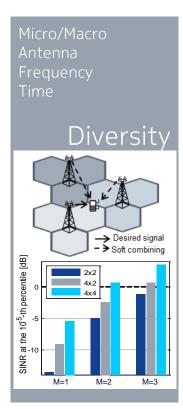






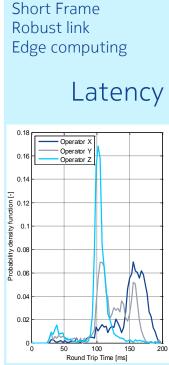


### Research challenges for Connected Mobility – are we there with LTE?









Fast Discovery Resource reservation Multicast

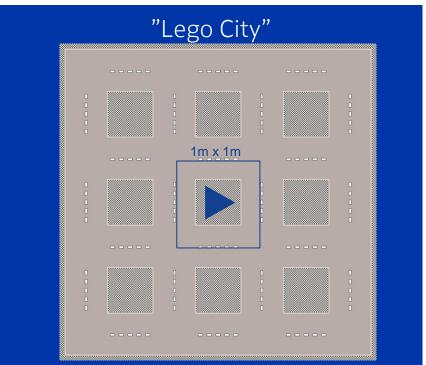
D2D support

? ... and many other topics

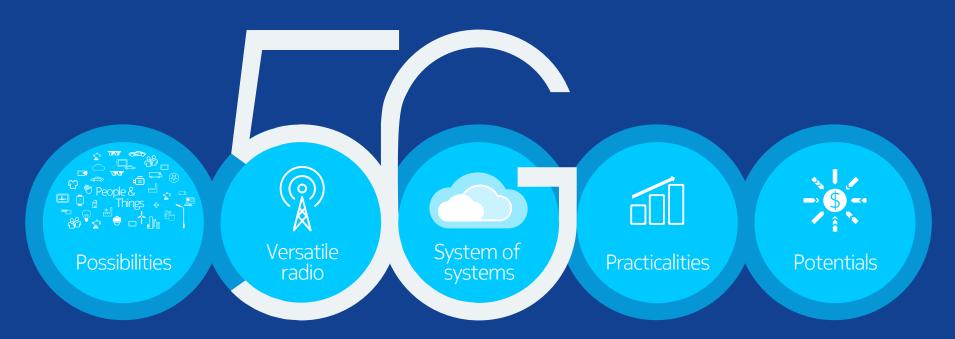


## 3GPP simulation scenarios for V2X – Urban From Simulation to Emulation









Key to the programmable world

