

August, 2018

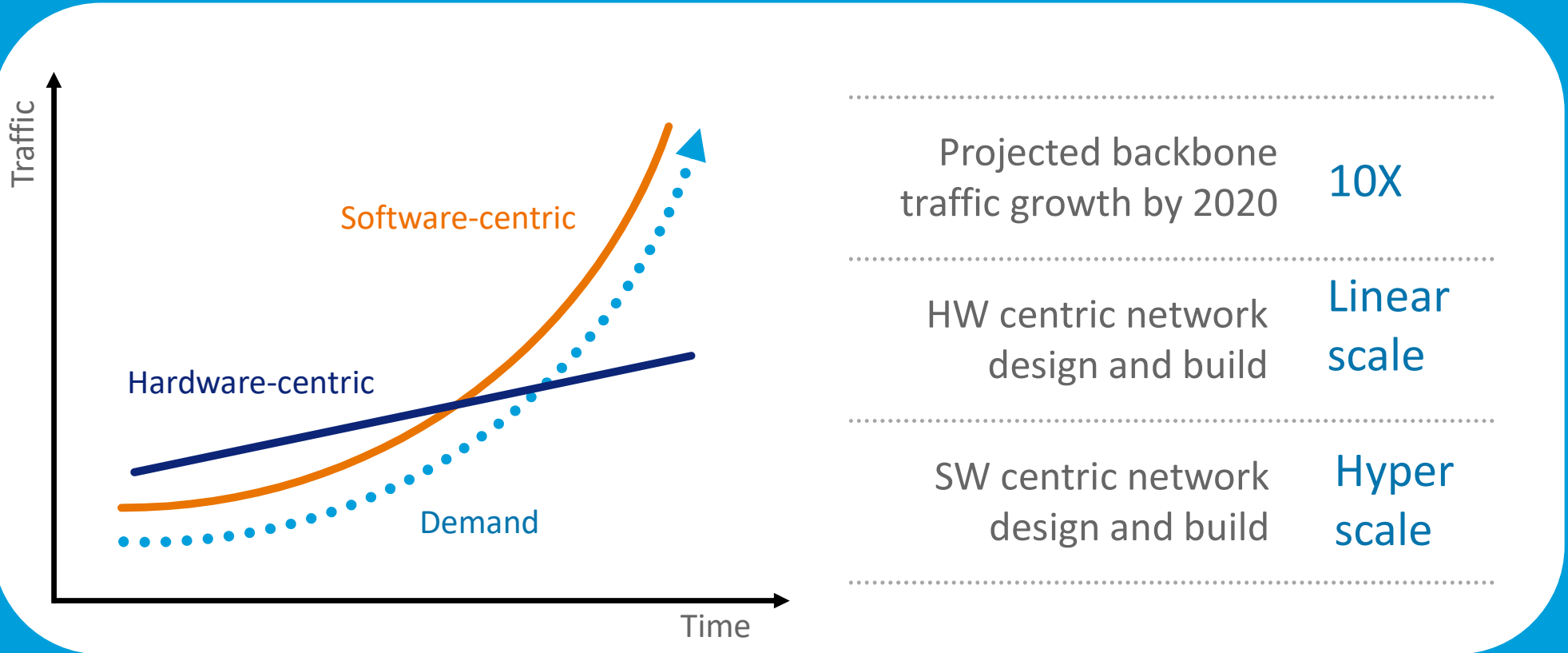
Technology Transformation and Automation

Mazin Gilbert

VP AT&T Labs

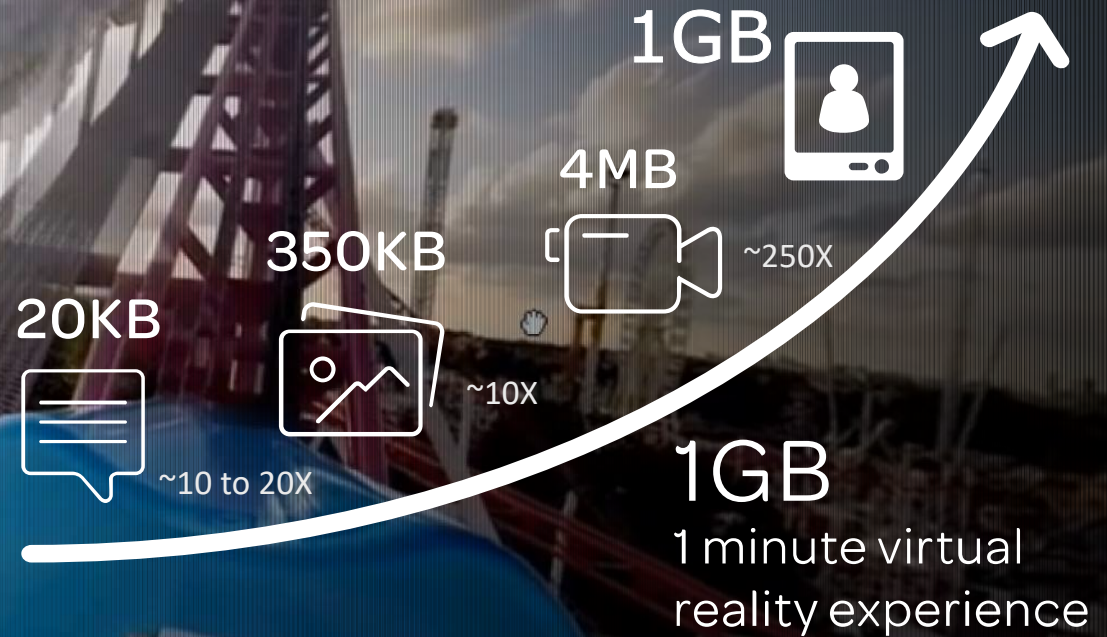
Advanced Technology & Systems

Current hardware-centric path is unsustainable

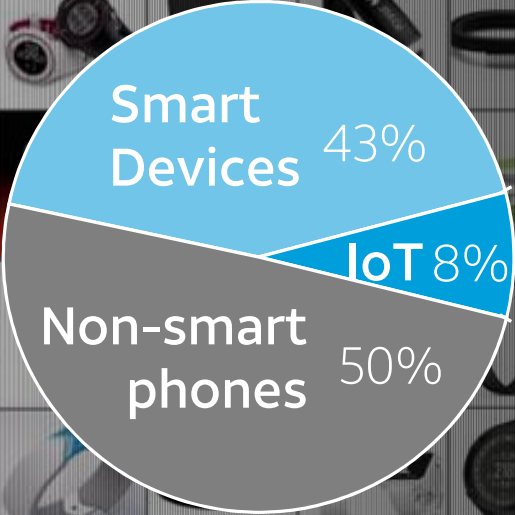




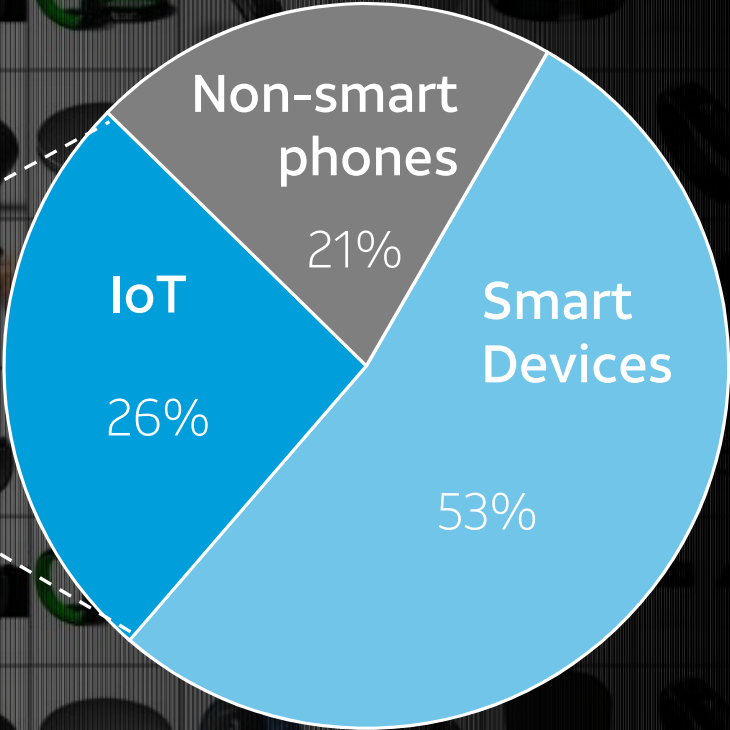
Changes in consumer behavior
are impacting data consumption



Shifting Device Mix



4.5B in 2015



30B in 2020

Projected Global Connected Devices



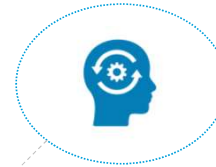
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Autonomous Network

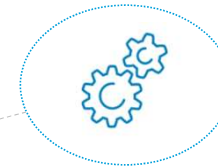
Edge Cloud
(Akraino, Airship,
OpenStack,
Containers, ..)



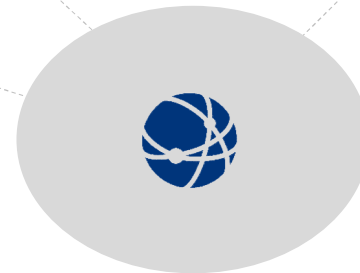
Artificial Intelligence
(Acumos/LFDL)



**Software-defined
Networking**
(ONAP/LFN)

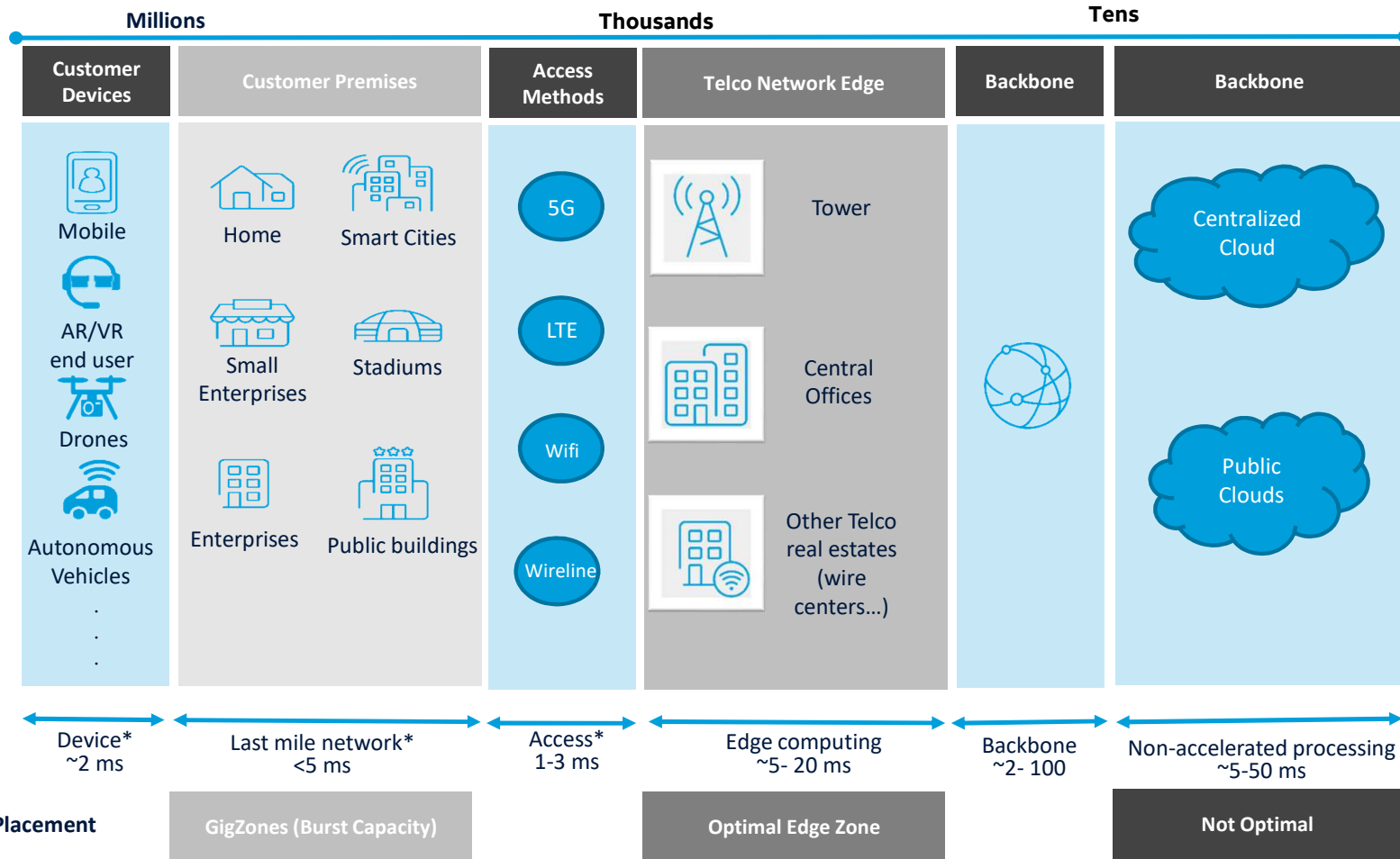


**5G
Next Gen Access**
(ORAN/XRAN)

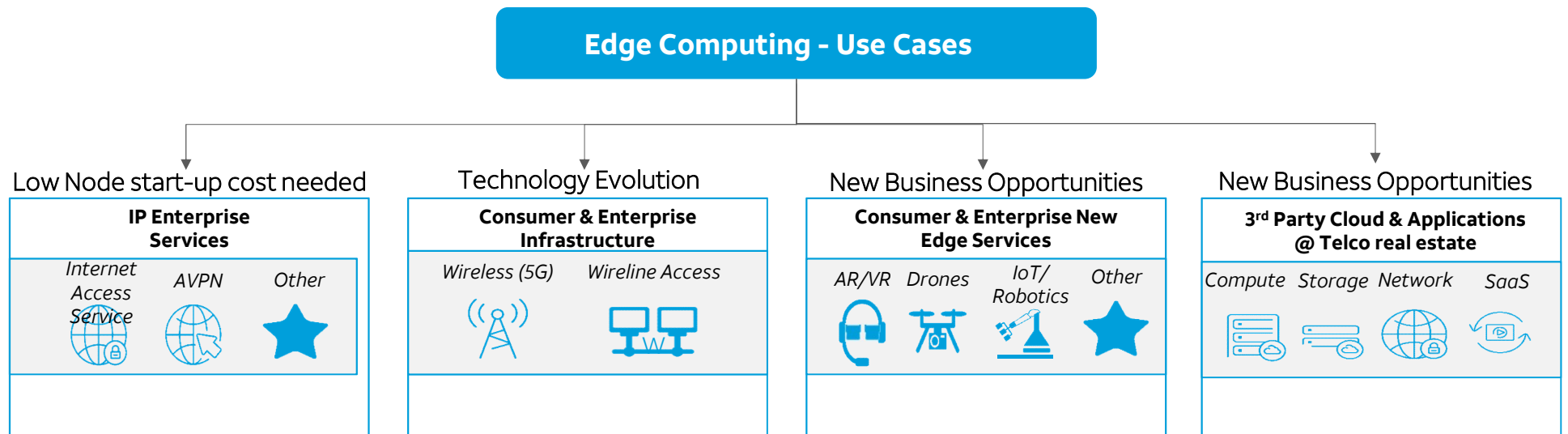


Autonomous Network

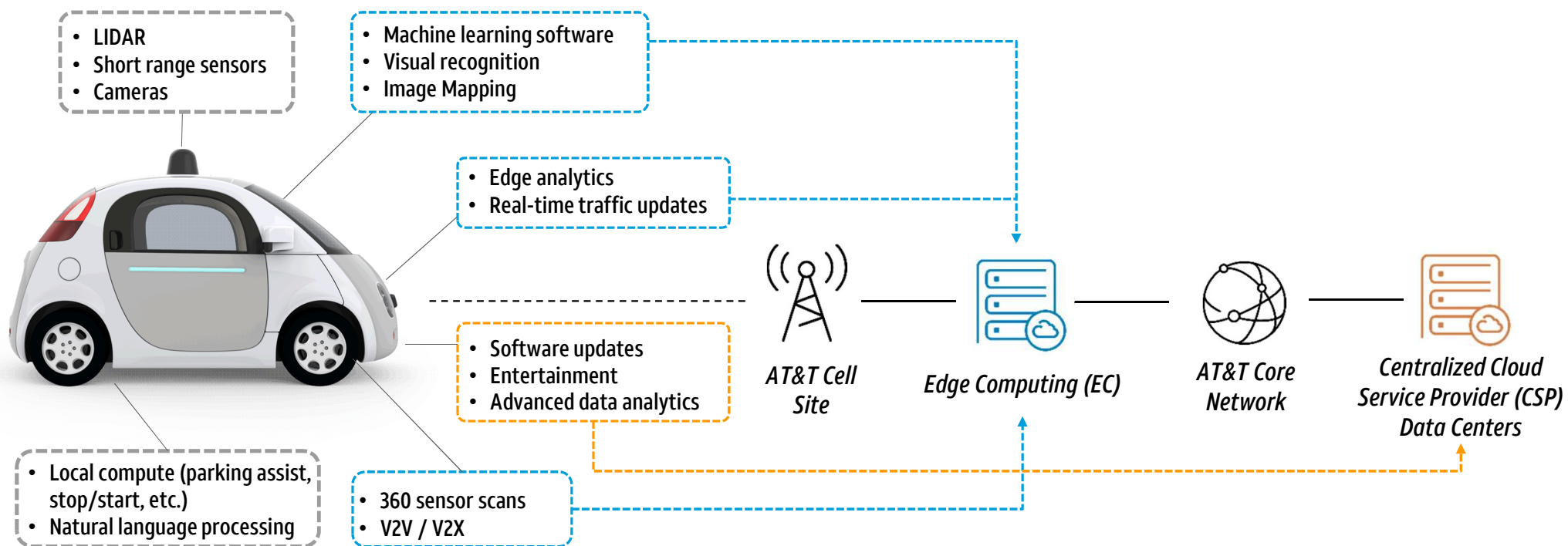
Operator's owned Network Edge are optimal zone for edge placement



What's driving Edge Computing in AT&T?



Edge Compute Enables Efficient Offloading for Autonomous Cars



Source: Intel, Google, McKinsey, AT&T Corporate Strategy

