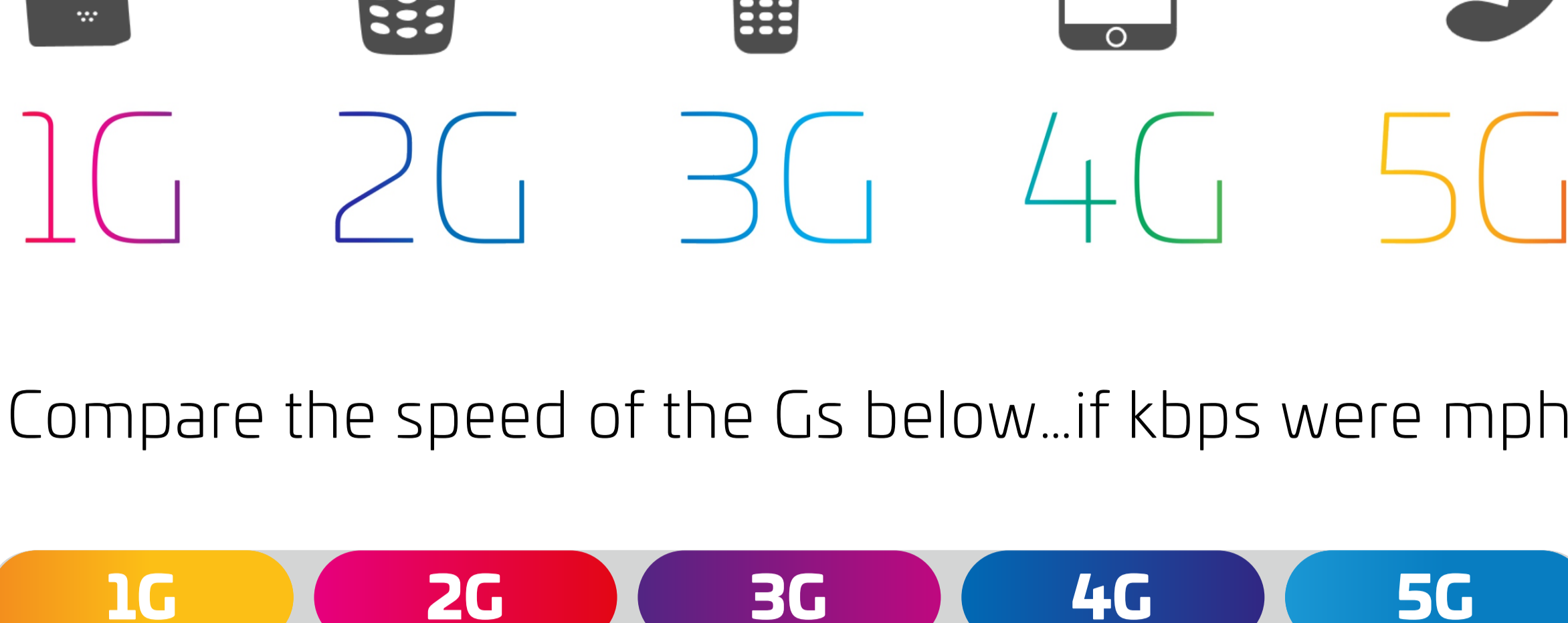
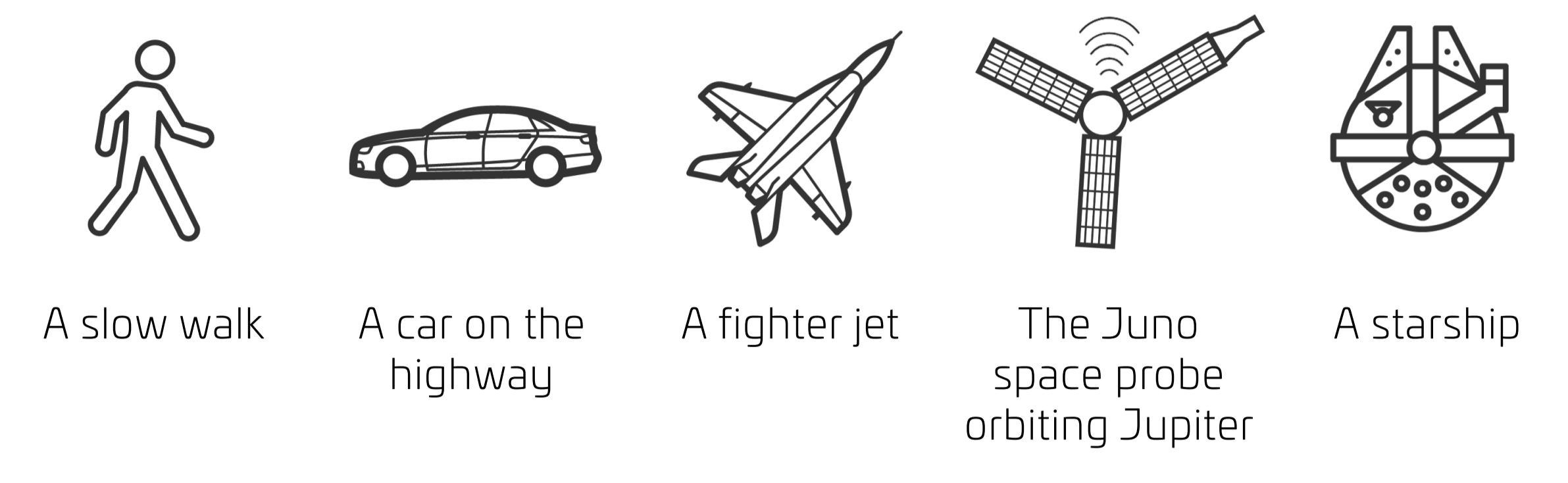


# Evolution of the G

Shaping the 5G networks of tomorrow



Compare the speed of the Gs below...if kbps were mph



## Reasons for 5G

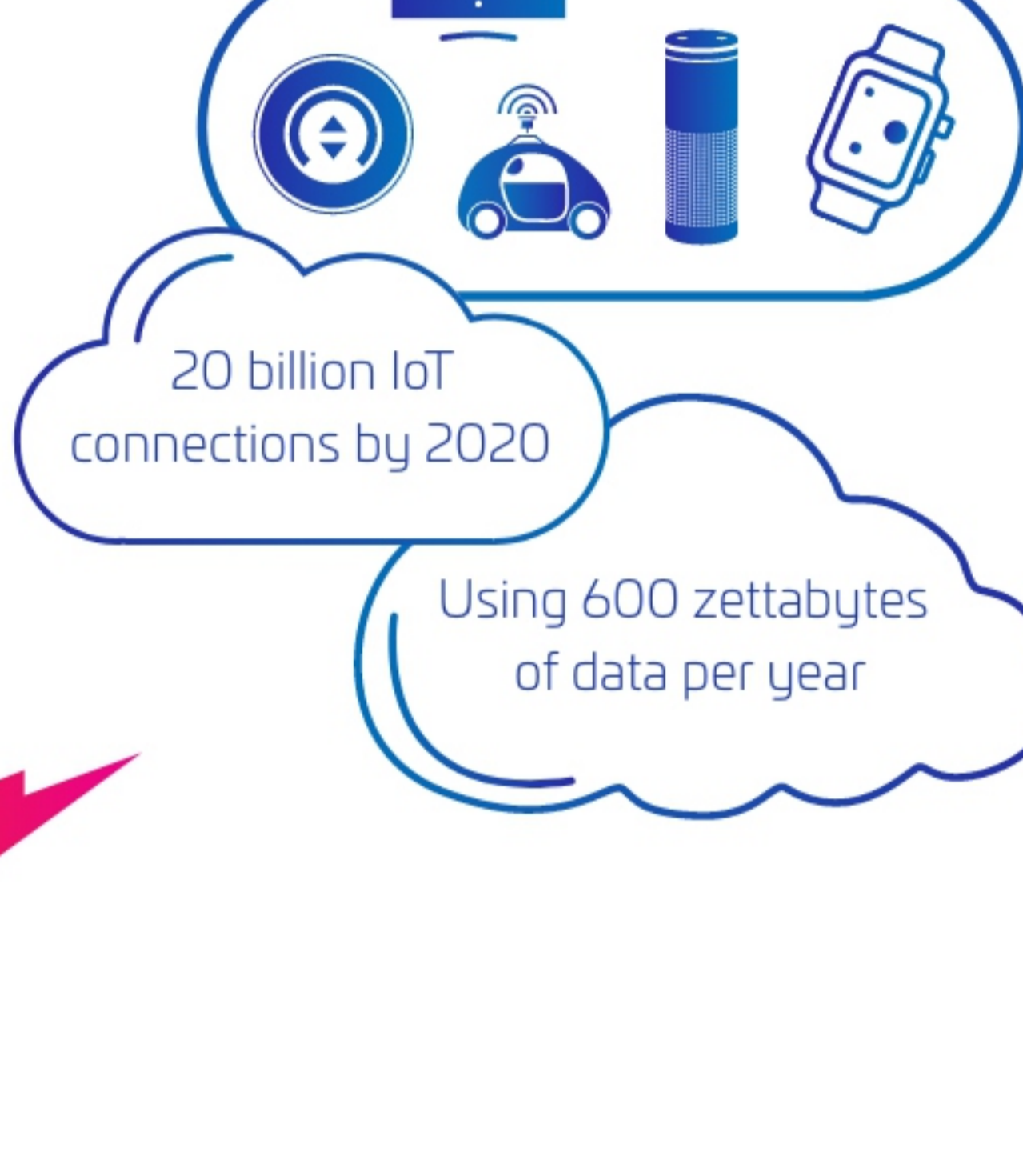
Enhanced mobile broadband



Ultra-reliable low-latency service



Internet of Things



20 billion IoT connections by 2020

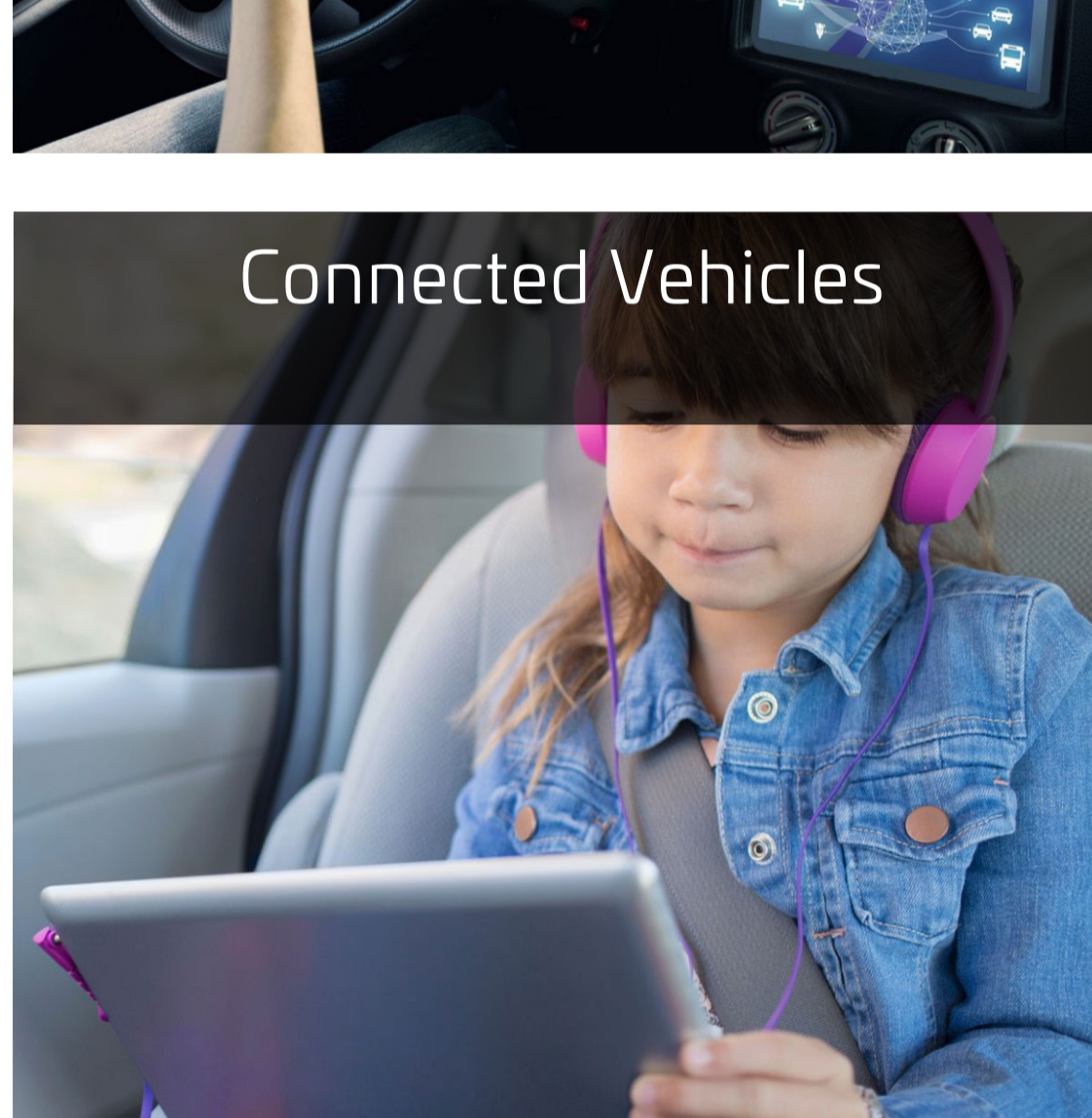
Using 600 zettabytes of data per year

Digital Healthcare



75% percent of healthcare patients that expect to plan to use healthcare digital services in the future

Autonomous Driving



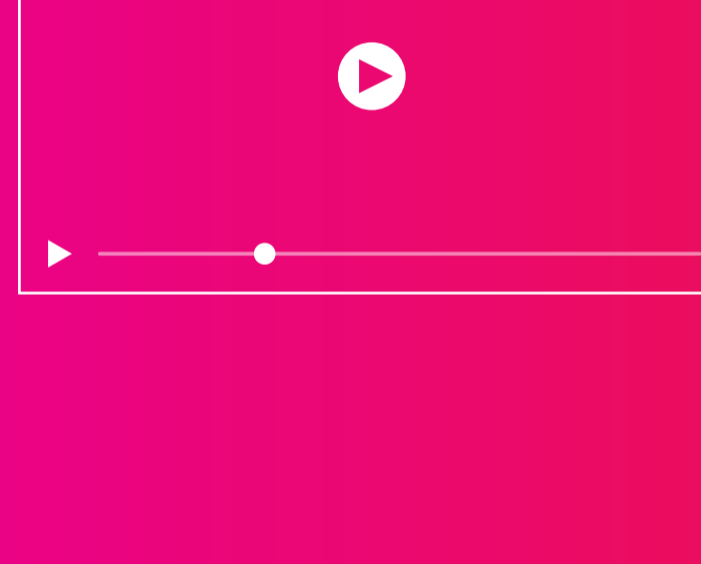
\$36 Billion market for partially autonomous vehicles by 2025

Connected Vehicles



69% of drivers desire streaming music in their vehicles

Media and Entertainment



61% of Americans age 18-29 use streaming TV services

Industrial Internet of Things (IIoT)



\$14.2 Trillion to global economy by 2030

Fixed Wireless Access



General broadband to guarantee improved user speeds of estimated 50+Mbps everywhere

Smart Homes/Smart Cities



28% More than 1 in 4 U.S. adults have smart home products in their home

Virtual Reality/Augmented Reality



The virtual reality market is expected to reach approximately \$26.89 billion by 2022, growing at a CAGR of around 54.01% between 2017 and 2022

How will 5G be achieved? Operators will need to evolve in three fundamental ways...

Densification



[READ MORE](#)

Optimization



[READ MORE](#)

Virtualization



[READ MORE](#)

...and we are committed to strong industry partnerships to shape the future of 5G together.



Platforms for Advanced Wireless Research



Learn more about the future of 5G networks

[Visit 5G web page](#)

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