

ACCELERATING THE PATH TO 5G

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CLOUDIFICATION OF THE NETWORK

2005-2016

2017+



MARKET DRIVERS REQUIRING COMPUTE AT OR NEAR DATA SOURCE

CLOUD CAPABILITIES LEVERAGED TO ADDRESS EMERGING USE
CASES REQUIRING STORAGE, COMPUTE AND ANALYTICS

NETWORK TRANSFORMATION FOUNDATIONAL

5G & EDGE COMPUTING WILL UNLEASH A WEALTH OF NEW OPPORTUNITIES

MEDIA



SMART RETAIL



INDUSTRIAL



AUTOMOTIVE



WIRELESS LEADERSHIP ENABLES INNOVATION LEADING TO ECONOMIC GROWTH

GROWTH OF CORE U.S. WIRELESS JOBS¹

4G

84%
2011-2014

3G

4%
2004-2011

5G

+\$391B ECONOMIC
UPLIFT

1.8M NEW JOBS*

*Based on CTIA proposed
5 year schedule for the
National Spectrum Strategy

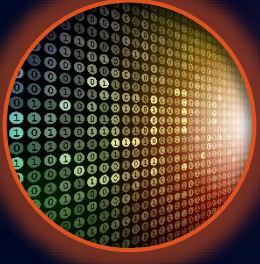
4G REVOLUTIONIZED INDUSTRIES
AND SPAWNED NEW BUSINESSES
(UBER, SPOTIFY, AIRBNB, NETFLIX)

U.S. LEADERSHIP IN 4G ACCOUNTED
FOR ~\$100B OF THE INCREASE IN
2016 ANNUAL GDP¹

U.S. SET THE PACE FOR GLOBAL INNOVATION
WITH 4G – ENABLED BY U.S. WIRELESS CARRIERS
AND SUFFICIENT SPECTRUM

1) Source: Recon-Analytics_How-Americas-4G-Leadership-Propelled-US-Economy_2018

SUMMARY



DATA IS EXPLODING, 5G WILL ENABLE HIGHER CAPACITY, LOWER LATENCY & WIDE RANGE OF USE CASES



5G NETWORKS WILL BE SMARTER, FLEXIBLE, CLOUD-READY AND DISTRIBUTED, TRANSFORMING INDUSTRIES



US HAS CRITICAL NEED FOR MID-BAND SPECTRUM. FAVORABLE POLICIES TO SPUR WIDESPREAD 5G DEPLOYMENTS WILL ENABLE BROAD ECONOMIC BENEFITS FOR CONSUMERS AND BUSINESSES

