

5G Planning, Strategy, and Market for Next Generation Apps and Services

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Abstracts

The fifth generation (5G) of cellular networks is poised to transform communications, applications, digital content and commerce. What was once slow or perhaps bearable in terms of end-user Quality of Experience (QoE) will be lightning fast with 5G. Leading applications that will realize the benefits of ultra-low latency include industrial automation, robotics, and virtual reality. These apps and services are considered next generation as they will embody a completely different QoE for end-users, leading to new feature/functionality and monetization through enhanced capabilities such as Haptic Internet.

However, 5G will not be commercially available until 2020, and will take even longer to make a substantive commercial impact. Along will happen along the road to 5G will be based largely on ongoing efforts to optimize 4G apps and services via evolution of the LTE standard. A portion of these efforts are standards-driven while some of them are based on innovative proprietary efforts of leading infrastructure vendors. Meanwhile, supporting technologies such as MIMO, Digital Signal Processing, Cognitive Radio, and Self Organizing Networks continue to improve, further extending the lifecycle of LTE and paving the way for optimized 5G networks.

This report investigates the evolution of wireless networks towards 5G including architecture, network strategy, planning, and standardization. The report evaluates R&D efforts from major infrastructure providers including the so called fractional versions of 4G such as 4.5G, 4.5G Pro, and 4.9G. The report also analyzes related supporting technologies such as Mobile Edge Computing (MEC). The report includes detailed forecasts for leading 5G apps and services including industrial automation, robotics, and virtual reality. All purchases of Mind Commerce reports includes time with an expert analyst who will help you link key findings in the report to the business issues you're

addressing. This needs to be used within three months of purchasing the report.

Target Audience:

Wireless service providers

5G infrastructure suppliers

Wireless device manufacturers

Big Data and analytics companies

Internet of Things (IoT) companies

Robotics and Virtual Reality suppliers

Enterprise across all industry verticals

Report Benefits:

5G forecasts of leading apps and services

Learn about broadband evolution towards 5G

Understand the impact of supporting technologies

Identify 5G enabled next generation apps and services

Understand how 5G drives a uniform network approach

Identify capabilities that will enable entirely new service types

Contents

1. INTRODUCTION

- 1.1 5G Technologies
- 1.2 Mobile Spectrum Evolution
 - 1.2.1 1G - 2G - 3G - 4G
 - 1.2.2 4G - 4.5G - 4.5G Pro - 4.9G - 5G
- 1.3 5G Spectrum Options and Utilization via Low Bands, Mid Bands, and High Bands
- 1.4 5G Ecosystem Architecture and Planning
- 1.5 5G Ecosystem Planning: Societal vs. Technology Considerations

2. 5G NETWORK PLANNING, IMPLEMENTATION, AND APPLICATIONS

- 2.1 5G Network Planning and Strategic Considerations
 - 2.1.1 LTE Foundation, Device Ecosystem, LAA, and 5G Readiness
 - 2.1.2 Spectrum Sharing and Utilization
 - 2.1.3 Narrowband 5G for Massive IoT
 - 2.1.4 Multi Connectivity Architecture with Small Cell Deployment
 - 2.1.5 Relevance of Mobile IoT Technology: NB-IoT & eMTC
 - 2.1.6 OSS/BSS Architecture for 5G Service Operation
 - 2.1.7 Multi-Antenna and Beamforming Impact
 - 2.1.8 End to End Network Slicing with NFV and SDN
 - 2.1.9 LTE Continuation in 5G Era
 - 2.1.10 Service Design, ROI and 5G Network
- 2.2 5G Technology Requirements and Network Impact
 - 2.2.1 Network Coverage and Efficiency
 - 2.2.2 Network Spectrum Efficiency
 - 2.2.3 Data Throughput
 - 2.2.4 Connection Density
 - 2.2.5 UR-LLC (Ultra-Reliable Low Latency Communication)
 - 2.2.6 Network Energy Usage
 - 2.2.7 Improved Battery Life
 - 2.2.8 Improved Flexibility in Air Interface and Versatility
 - 2.2.9 Massive MIMO
 - 2.2.10 mmWave Technology
 - 2.2.11 Integration of Access and Backhaul
 - 2.2.12 D2D Communication
 - 2.2.13 Flexible Duplex: FDD and TDD

- 2.2.14 Multi-Antenna Transmission Scenario
- 2.2.15 Decoupling User Data from Control System
- 2.3 5G Technology and Network Architecture
 - 2.3.1 Massive MIMO and Beamforming
 - 2.3.2 Cloud RAN
 - 2.3.3 Broadband Spectrum and Satellite
 - 2.3.4 5G New Radio (NR)
 - 2.3.5 Software Defined Air Interface
 - 2.3.6 Network Function Virtualization (NFV)
 - 2.3.7 Self Organizing Network (SON) and Self Healing Network (SHN)
 - 2.3.8 HetNet and H-CRAN
 - 2.3.9 Large-Scale Cooperative Spatial Signal Processing (LS-CSSP)
 - 2.3.10 Software Defined Radio (SDR)
 - 2.3.11 Visible Light Communications (VLCs)
 - 2.3.12 Cross Layer Controller
 - 2.3.13 Cognitive Radios (CRs) and Transmission Technologies
 - 2.3.14 Scalable OFDM and Subcarrier Spacing
- 2.4 5G Network Implementation
 - 2.4.1 Base Stations
 - 2.4.2 Small Cells
 - 2.4.3 Macro Cells
 - 2.4.4 Baseband Units and RF Units
 - 2.4.5 Mobile Core
 - 2.4.6 Remote Radio Heads
 - 2.4.7 Front-haul and Backhaul Networks
- 2.5 Strategic Relevance of 4.5G, 4.5G Pro, and 4.9G
 - 2.5.1 Mobile IoT and M2M Communication
 - 2.5.2 Broadcast Services and Immersive Entertainment
 - 2.5.3 Vehicular Communication
 - 2.5.4 Public Safety Network
 - 2.5.5 Smart City Applications
 - 2.5.6 Private Enterprise Network

3. 5G INITIATIVES, R&D, AND FIELD TRIALS

- 3.1 5G Strategic Initiatives in Region
 - 3.1.1 Asia
 - 3.1.1.1 China
 - 3.1.1.1.1 IMT-2020 Promotion Group

- 3.1.1.1.2 China National Key Project on 5G
- 3.1.1.2 South Korea
- 3.1.1.3 Japan
- 3.1.2 Europe
 - 3.1.2.1 European Union Framework Project 7 (FP7)
 - 3.1.2.2 European Union Framework Project 8 (FP8) /Horizon 2020
 - 3.1.2.3 Celtic Plus
 - 3.1.2.4 EIT and Other projects
- 3.1.3 America
- 3.2 5G Standardization Initiatives and Development
 - 3.2.1 3GPP
 - 3.2.2 5G Americas
 - 3.2.3 ATIS
 - 3.2.4 GSMA
 - 3.2.5 IEEE
 - 3.2.6 ITU
 - 3.2.7 NGMN
 - 3.2.8 TTA
 - 3.2.9 FCC TAC
- 3.3 5G Trial by Mobile Operators
- 3.4 5G Spectrum Aspects
 - 3.4.1 WRC - 15 and
 - 3.4.2 FCC
 - 3.4.3 5G Americas
 - 3.4.4 CITEL
 - 3.4.5 ITU
 - 3.4.6 GSMA
 - 3.4.7 GSA

4. MARKET OUTLOOK AND FORECASTS FOR NEXT GENERATION 5G APPS

- 9.1 5G Industrial Automation Global Forecasts 2020 - 2025
 - 9.1.1 IIoT 5G Automation Market Value
 - 9.1.1.1 Market by Segment
 - 9.1.1.1.1 Hardware and Equipment Market by Types of Device
 - 9.1.1.1.2 Market by Industry Verticals
 - 9.1.1.1.3 Market by Technology Application
 - 9.1.2 Wireless IIoT 5G Device Deployments
 - 9.1.2.1 Deployment by Device Type

- 9.1.2.2 Deployment by Industry Vertical
- 9.2 5G Industrial Automation Regional Forecasts 2020 - 2025
 - 9.2.1 Market Value by Region
 - 9.2.2 Market Value by Leading Countries
 - 9.2.3 Deployment by Region
 - 9.2.4 Deployment by Leading Countries
 - 9.2.5 Europe Market Forecasts
 - 9.2.5.1 Market Value by Segment, Devices, Industry Vertical, and Technology Application
 - 9.2.5.2 Deployment Base by Devices and Industry Vertical
 - 9.2.6 North America Market Forecasts
 - 9.2.6.1 Market Value by Segment, Devices, Industry Vertical and Technology Application
 - 9.2.6.2 Deployment Base by Devices and Industry Vertical
 - 9.2.7 APAC Market Forecasts
 - 9.2.7.1 Market Value by Segment, Devices, Industry Vertical and Technology Application
 - 9.2.7.2 Deployment Base by Devices and Industry Vertical
- 4.3 5G Robotics Global Market Revenue
 - 4.3.1 Autonomous Robot Market
 - 4.3.2 5G Enabled Autonomous Robot Market
 - 4.3.3 5G Enabled Autonomous Robot Market by Categories
- 4.4 5G Robotics Regional Forecasts
 - 4.4.1 5G Enabled Autonomous Robot by Region
 - 4.4.2 North America 5G Enabled Autonomous Robot Market by Categories
 - 4.4.3 Europe 5G Enabled Autonomous Robot Market by Categories
 - 4.4.4 APAC 5G Enabled Autonomous Robot Market by Categories
- 9.5 Global 5G Enabled Virtual Reality Market
 - 9.5.1 Combined Market Revenue 2021 - 2026
 - 9.5.2 Combined Unit Shipment 2021 - 2026
 - 9.5.3 Combined Active User 2021 - 2026
- 9.6 5G Accelerated VR Uptake Market
 - 9.6.1 Market by Segments 2021 - 2026
 - 9.6.1.1 Hardware Market
 - 9.6.1.1.1 Full Feature Device including Haptic and Eyewear Devices
 - 9.6.1.1.2 Hardware Components including Haptic Sensors and Semiconductor Components
 - 9.6.1.2 Software and Application Market
 - 9.6.1.3 Professional Service Market

9.6.2 VR Shipment Units 2021 - 2026

9.6.3 VR Active Users 2021 - 2026

9.6.4 5G VR Market by Region 2021 - 2026

9.6.4.1 North America Market

9.6.4.2 APAC Market

9.6.4.3 Europe Market

9.6.5 5G Consumer VR Application Market 2021 - 2026

9.6.6 Gaming

9.6.6.1 Pokemon Go Market Learning

9.6.7 Live Events

9.6.8 Video Entertainment

9.7 5G VR Enterprise Application Market 2021 - 2026

9.7.1 Retail Sector

9.7.2 Real Estate

9.7.3 Healthcare

9.7.4 Education

9.8 5G VR Industrial Application Market 2021 - 2026

9.8.1 Military

9.8.2 Engineering

9.8.3 Civil Aviation

9.8.4 Medical Industry

9.8.5 Agriculture

9.8.6 Government and Public Sector

5. CONCLUSIONS AND RECOMMENDATIONS

List Of Figures

LIST OF FIGURES

- Figure 1: 5G Network Features and Underlying Benefits
- Figure 2: 4G Spectrum Evolution: 1G - 2G - 3G - 4G
- Figure 3: 5G Spectrum Evolution: 4G - 4.5G - 4.5G Pro - 4.9G - 5G
- Figure 4: 5G Ecosystem Architecture Components
- Figure 5: LTE Foundation Architecture: LTE Advanced and LTE Advanced Pro
- Figure 6: Licensed Assisted Access (LAA) Uplink Cell Range in Small Cells
- Figure 7: Architecture of Shared Spectrum
- Figure 8: Spectrum Sharing Prototype on LTE-U/LAA, LWA, CBRS/LSA and MultiFire
- Figure 9: Narrowband 5G Path and Standard Release for Massive IoT
- Figure 10: Multi-Connectivity Structure deployed over Small Cell and Macro
- Figure 11: Next Generation OSS/BSS Architecture
- Figure 12: Massive Element Antenna in Combination of Phantom Cell and Massive MIMO
- Figure 13: Multiple Antenna and Beamforming Impact
- Figure 14: Bandwidth and Latency Requirements for 5G Use Cases
- Figure 15: WRC 15 and WRC 19 Spectrum Issues in 5G Network
- Figure 16: IMT 2020 Requirements for URLLC
- Figure 17: Flexible Unified Radio Interface for TTI, Integrated Sub-frame, and Dynamic Uplink and Downlink
- Figure 18: Massive MIMO Concept
- Figure 19: Massive MIMO: LTE Network to 5G NR Rel.
- Figure 20: High Spectrum Band at Massive MIMO
- Figure 21: Cloud RAN Architecture
- Figure 22: Role of Satellite in 5G Communication System
- Figure 23: 5G New Radio (NR) Release Timeline
- Figure 24: Technology Requirements of 5G NR Standards
- Figure 25: Enabling Technology of 5G NR
- Figure 26: Mobile Broadband Performance Target in 5G NR
- Figure 27: Virtual Cell and UE Centric Mobility in 5G NR
- Figure 28: Self-Contained Sub-Frame Design Structure
- Figure 29: NFV in H-RAN Solution
- Figure 30: Self-Organizing Networks (SON) in H-RAN
- Figure 31: H-RAN Application in 5G Systems
- Figure 32: Centralized LS-CSSP Structure
- Figure 33: Hybrid Architecture of SDN and SDR in 5G Network

- Figure 34: Windowed OFDM Structure
- Figure 35: Subcarrier Spacing Bandwidth Structure using FDD and TDD
- Figure 36: Mobile IoT Technology and Equipment Categories over 4G and 4.5G
- Figure 37: SDL Carrier over LTE Broadcast Service
- Figure 38: Multi-Carrier Deployment with LTE Broadcast Carrier
- Figure 39: Public Safety over LTE
- Figure 40: IMT-2020 Timeline and Process
- Figure 41: Requirements of IMT-2020
- Figure 42: 3GPP SMARTER Service Dimensions
- Figure 43: 3GPP Planned Release Timeline and Technical Specification
- Figure 44: IMT-2020 Standardization Timeline
- Figure 45: NGMN 5G Initiative Timeline
- Figure 46: Global IIoT 5G Automation Market Value 2020 - 2025
- Figure 47: Global Wireless IIoT 5G Device Deployment Base 2020 - 2025
- Figure 48: Global Autonomous Robot Market 2018 - 2030
- Figure 49: Global 5G Enabled Autonomous Robot Market 2022 - 2030
- Figure 50: VR Base Market Segments, Sub-segments and Components
- Figure 51: Global VR Base Market Combined Revenue 2021 - 2026
- Figure 52: Global VR Base Market Combined Unit Shipment 2021 - 2026
- Figure 53: Global VR Base Market Active User 2021 - 2026
- Figure 54: Global 5G Accelerated Uptake Market Revenue 2021 - 2026
- Figure 55: Global 5G Accelerated VR Uptake Unit Shipment 2021 - 2026
- Figure 56: Global 5G Accelerated VR Uptake Active Users 2021 - 2026

List Of Tables

LIST OF TABLES

Table 1: Comparison of 5G Spectrum Bands: Low vs. Mid vs. High Bands

Table 2: Components and Functions of OSS and BSS

Table 3: 5G Objectives, Target, and Technology Efforts

Table 4: European Union FP7 5G Projects

Table 5: 5G-PPP Projects Call-1

Table 6: 5GrEEn and 5GIC Projects in EU

Table 7: 5G Project Initiatives in United States

Table 8: Mobile Operators Conducting 5G Trials

Table 9: Global IIoT 5G Automation Market by Segment 2020 - 2025

Table 10: Global IIoT 5G Hardware and Equipment Market by Types of Device 2020 - 2025

Table 11: Global IIoT 5G Automation Market by Industry Vertical 2020 - 2025

Table 12: Global IIoT 5G Automation Market by Technology Application 2020 - 2025

Table 13: Global Wireless IIoT 5G Device Deployment by Types of Device 2020 - 2025

Table 14: Global Wireless IIoT 5G Device Deployment by Industry Vertical 2020 - 2025

Table 15: IIoT 5G Automation Market by Region 2020 - 2025

Table 16: IIoT 5G Automation Market by Leading Countries 2020 - 2025

Table 17: Wireless IIoT 5G Device Deployment by Region 2020 - 2025

Table 18: Wireless IIoT 5G Device Deployment by Leading Countries 2020 - 2025

Table 19: Europe IIoT 5G Automation Market by Segment 2020 - 2025

Table 20: Europe IIoT 5G Hardware and Equipment Market by Types of Device 2020 - 2025

Table 21: Europe IIoT 5G Automation Market by Industry Vertical 2020 - 2025

Table 22: Europe IIoT 5G Automation Market by Technology Application 2020 - 2025

Table 23: Europe Wireless IIoT 5G Deployment by Device Type 2020 - 2025

Table 24: Europe Wireless IIoT 5G Device Deployment by Industry Vertical 2020 - 2025

Table 25: North America IIoT 5G Automation Market by Segment 2020 - 2025

Table 26: North America IIoT 5G Hardware and Equipment Market by Types of Device 2020 - 2025

Table 27: North America IIoT 5G Automation Market by Industry Vertical 2020 - 2025

Table 28: North America IIoT 5G Automation Market by Technology Application 2020 - 2025

Table 29: North America Wireless IIoT 5G Deployment by Device Type 2020 - 2025

Table 30: North America Wireless IIoT 5G Device Deployment by Industry Vertical 2020 - 2025

Table 31: APAC IIoT 5G Automation Market by Segment 2020 - 2025
Table 32: APAC IIoT 5G Hardware and Equipment Market by Device Type 2020 - 2025
Table 33: APAC IIoT 5G Automation Market by Industry Vertical 2020 - 2025
Table 34: APAC IIoT 5G Automation Market by Technology Application 2020 - 2025
Table 35: APAC Wireless IIoT 5G Device Deployment by Device Type 2020 - 2025
Table 36: APAC Wireless IIoT 5G Device Deployment by Industry Vertical 2020 - 2025
Table 37: Global 5G Enabled Autonomous Robot Market by Category 2022 - 2030
Table 38: 5G Enabled Autonomous Robot Market by Region 2022 - 2030
Table 39: North America 5G Enabled Autonomous Robot Market by Category 2022 - 2030
Table 40: Europe 5G Enabled Autonomous Robot Market by Category 2022 - 2030
Table 41: APAC 5G Enabled Autonomous Robot Market by Category 2022 - 2030
Table 42: VR 5G Accelerated Uptake Market by Segment 2021 - 2026
Table 43: VR 5G Accelerated Hardware Uptake Market by Segment 2021 - 2026
Table 44: VR 5G Accelerated Device Uptake Market by Segment 2021 - 2026
Table 45: VR 5G Accelerated Components Uptake Market by Segment 2021 - 2026
Table 46: VR 5G Accelerated Software Uptake Market by Application 2021 - 2026
Table 47: VR 5G Accelerated Uptake Unit Shipment by Segment 2021 - 2026
Table 48: VR 5G Accelerated Uptake Unit Shipment by Devices 2021 - 2026
Table 49: VR 5G Accelerated Uptake Shipments by Component 2021 - 2026
Table 50: VR 5G Accelerated Uptake Shipments by App 2021 - 2026
Table 51: VR 5G Accelerated Uptake Users by Segment 2021 - 2026
Table 52: VR 5G Accelerated Uptake User by Device 2021 - 2026
Table 53: VR 5G Accelerated Uptake Users by Application 2021 - 2026
Table 54: VR 5G Accelerated Uptake Market by Region 2021 - 2026
Table 55: VR 5G Accelerated Uptake Units by Region 2021 - 2026
Table 56: VR 5G Accelerated Uptake Users by Region 2021 - 2026
Table 57: VR 5G Accelerated Uptake Market by North America Country 2021 - 2026
Table 58: VR 5G Accelerated Uptake Units by North America Country 2021 - 2026
Table 59: VR 5G Accelerated Uptake Users by North America Country 2021 - 2026
Table 60: VR 5G Accelerated Uptake Market by APAC Country 2021 - 2026
Table 61: VR 5G Accelerated Uptake Units by APAC Country 2021 - 2026
Table 62: VR 5G Accelerated Uptake Users by APAC Country 2021 - 2026
Table 63: VR 5G Accelerated Uptake Market by Europe Country 2021 - 2026
Table 64: VR 5G Accelerated Uptake Units by Europe Country 2021 - 2026
Table 65: VR 5G Accelerated Uptake Users by Europe Country 2021 - 2026
Table 66: VR 5G Accelerated Software Uptake Market by Consumer Applications 2021 - 2026
Table 67: VR 5G Accelerated Uptake Consumer Apps by Industry 2021 - 2026

Table 68: VR 5G Accelerated Uptake Consumer Apps User by Industry 2021 - 2026

Table 69: VR 5G Accelerated Software Uptake Market by Enterprise Applications 2021 - 2026

Table 70: VR 5G Accelerated Uptake Enterprise Apps Shipment by Industry 2021 - 2026

Table 71: VR 5G Accelerated Uptake Enterprise Apps User by Industry 2021 - 2026

Table 72: VR 5G Accelerated Software Uptake Market by Industrial Applications 2021 - 2026

Table 73: VR 5G Accelerated Uptake Industrial Apps Shipment by Industry 2021 - 2026

Table 74: VR 5G Accelerated Uptake Industrial Apps User by Industry 2021 - 2026

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