

6G Market - A Global and Regional Analysis: Focus on 6G Applications, Products, Trends, Drivers, Opportunities, Stakeholder Analysis, Patents and Country Analysis

<https://marketpublishers.com/r/62E77B5E853FEN.html>

Date: March 2021

Pages: 213

Price: US\$ 5,000.00 (Single User License)

ID: 62E77B5E853FEN

Abstracts

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Market Report Coverage - 6G Market

Market Segmentation

Product

by Device

Mobile Devices

IoT and Edge-Computing Devices

Networking Devices

Others

by Communication Infrastructure

Wireless

Regional Segmentation

North America – U.S., Canada, and Mexico

Europe – Finland, Germany, Sweden, and Switzerland

U.K.

Asia-Pacific and Japan – Australia, South Korea, Japan, and India

China

Middle East and Africa - U.A.E.

South America - Brazil, Rest-of-South America

Growth Drivers

High emphasis on low latency network for specific applications

Growth of internet users and edge-computing devices

Growth of smart technologies

Increased emphasis on satellite communication

Market Challenges

Slower transition from older communication generation

Very large investment requirements

Market Opportunities

Use of holography in communication

Use of 6G in growth of IoT, blockchain, and artificial intelligence

UN SDGs and mobile communications

Key 6G Companies Profiled

Apple Inc., Nokia Corporation, AT&T Inc., T-Mobile US, Inc., Verizon Communications Inc., Intel Corporation, Huawei Technologies Co., Ltd., LG Corporation, Cisco Systems, Inc., and Sony Corporation, among others

Key Questions Answered in this Report:

What is the expected market scenario for 6G after it is launched in 2030?

How will the current market developments affect the market for 6G?

What are the underlying structures resulting in the emerging trends within the 6G market?

What are the estimations for the 6G market size in terms of revenue starting from 2030, and expected compound annual growth rate (CAGR) during the forecast period?

What is the expected outlook and revenue to be generated by the different types of product offerings such as device and communication infrastructure?

What is the expected outlook and estimated revenue of different applications segmented as consumer and industrial applications?

Who are the different stakeholders, and what is their role in the development of 6G market?

What is the current market size, forecast, and regional market trends for the 6G market across different regions, namely, North America, South America, the U.K., Europe, Asia-Pacific and Japan, China, and the Middle East and Africa?

What are the major challenges inhibiting the growth of the 6G market?

What are the new growth strategies (mergers and acquisitions, partnerships, expansions, products, and others) being adopted by the existing market players to expand their market share in the industry?

Market Overview

The market of 6G is yet to start as NTT Docomo has announced 2030 as the launch year for 6G. All the telecommunication companies that are the most important stakeholder in the 6G market are currently focused on developing 5G spectrums and working toward the transition from 4G to 5G. Currently, the focus for 6G is limited to research and development, which is why most of the companies such as smartphone manufacturers, semiconductor vendors, smart technology vendors, and other important technology-oriented companies are focusing on developing applications for the 6G spectrum. These applications include smart cities, edge devices, autonomous vehicles, holographic communication, and satellite communication. Such developments are expected to boost the development of supportive 6G technologies, which will eventually have a huge impact on the 6G market.

Major driving factors for the 6G industry are the growing emphasis on connectivity and rising demand for 6G communication in recently developed technologies such as IoT and blockchain. Thus, commercialization of such connectivity dependent technologies will get a boost with high-speed internet and remote connectivity, which are characteristics of 6G technologies. Another core factor that will have a significant impact on the market is rapid urbanization and communication becoming a basic right for human sustenance. A large population has already migrated to large cities for more opportunities and better life. Communication and connectivity have played a significant role in this migration. The Increasing efforts toward promoting smart cities and increasing urban population are also expected to have a significant impact on the adoption of 6G technologies.

Competitive Landscape

The competitive landscape of the 6G market consists of different strategies undertaken by major players across the telecommunication and electronics industries to gain an early market presence. Some of the strategies adopted by network and consumer electronics providers are new product launches, business expansions, partnerships, and collaborations. Among all the strategies adopted, partnerships, collaborations, and joint ventures have been the most prominent strategies adopted by telecommunication

and electronics providers. The competitive landscape provides an organization with the edge to understand its key business strategy in the industry, its current competitors, and potential future competitors that might have made their way into the market.

The 6G market is poised to grow over time, compelling companies to come up with collaborative strategies to sustain in the intensely competitive market. Companies with an identical product portfolio, with a need for additional resources, often partner and come together for joint venture programs, which help these companies gain access to one another's resources and facilitates them to achieve their objectives faster. This strategy has been a widely adopted strategy by the players in this market. For instance, in January 2021, Google cloud and Nokia entered a partnership to work together on the cloud-native 5G core and develop the network edge as a business services platform for enterprises.

Key players in the 6G market are coming up with different product launch activities to generate public awareness about the new and upcoming developments that will lead to the advent of products supporting the 6G technology. Product development and innovation have helped these companies to compete with the competitors' product portfolio. This strategy has also been a widely adopted strategy by the players in this market. For instance, in August 2020, China Unicom set up over 150,000 base stations in the country, with its 5G network playing a big role in the growth of the company.

Contents

1 MARKETS

1.1 Industry Outlook

1.1.1 Market Definition

1.1.2 Consortiums and Associations

1.1.3 Stakeholder Analysis

1.1.3.1 Telecom Operators and Network Equipment

1.1.3.1.1 Change in Telecom Operators Value Proposition and Adoptions of New Strategies.

1.1.3.2 Application Oriented Companies

1.1.3.2.1 Growth in Demand for Internet Applications Have Influenced the Growth in Internet and Mobile Subscription

1.1.3.2.2 Smart City and Smart Mobility Applications will Boost the Demand for High-Speed Connectivity

1.1.3.3 Others

1.1.4 Patent Analysis

1.1.4.1 Patent Analysis (by Status)

1.1.4.2 Patent Analysis (by Inventor Type)

1.1.4.3 Patents Analysis (by Patent Office)

1.1.4.4 Patents Analysis (by Organization)

1.1.4.5 Patents Analysis (by Patent Objective)

1.1.5 Technologies Supporting 6G

1.1.5.1 Artificial Intelligence

1.1.5.2 Terahertz Communication

1.1.5.3 Optical Wireless Communication

1.1.5.4 Free Space Optical Backhaul

1.1.5.5 Blockchain

1.1.5.6 Aerial Vehicles

1.1.5.7 Cell-Free Communications

1.1.5.8 Big-Data Analytics

1.1.6 Transitioning from 5G to 6G

1.2 Business Dynamics

1.2.1 Business Drivers

1.2.1.1 High Emphasis on Low Latency Network for Specific Applications

1.2.1.2 Growth of Internet Users and Edge Computing Devices

1.2.1.3 Growth of Smart Technologies

1.2.1.4 Increased Emphasis on Satellite Communication

1.2.2 Business Challenges

1.2.2.1 Slower Transition from Older Communication Generation

1.2.2.2 Very Large Investment Requirements

1.2.3 Business Strategies

1.2.3.1 Product Development and Innovation

1.2.3.2 Market Developments

1.2.4 Corporate Strategies

1.2.4.1 Mergers and Acquisitions

1.2.4.2 Partnerships, Collaborations, and Joint Ventures

1.2.4.3 Others

1.2.5 Business Opportunities

1.2.5.1 Use of Holography in Communication

1.2.5.2 6G in Growth of IoT, Blockchain, and Artificial Intelligence

1.2.5.3 UN SDGs and Mobile Communications

2 APPLICATION

2.1 6G Market (by End Use Applications)

2.1.1 Consumer Applications

2.1.1.1 Mobile

2.1.1.2 M2M Communication

2.1.1.3 Computing

2.1.2 Industrial and Enterprise

2.1.2.1 Industry 4.0

2.1.2.2 Smart City and Urban Infrastructure

2.1.2.3 eHealthcare

2.1.2.4 Autonomous Vehicles

2.1.2.5 Others

2.2 Demand Analysis of 6G Market (by End Use Applications)

3 PRODUCTS

3.1 6G Market (by Product)

3.1.1 6G Market (by Device)

3.1.1.1 Mobile Devices

3.1.1.2 IoT and Edge-Computing Devices

3.1.1.3 Networking Devices

3.1.1.4 Others

3.1.2 6G Market (by Communication Infrastructure)

- 3.1.2.1 Wireless Infrastructure
 - 3.1.2.1.1 Mobile Cellular
 - 3.1.2.1.2 Mobile Broadband
- 3.1.2.2 Fixed Infrastructure
- 3.2 Demand Analysis of 6G Market (by Product)

4 REGION

- 4.1 North America
 - 4.1.1 Market
 - 4.1.1.1 Key Network and Consumer Electronics Providers in North America
 - 4.1.1.2 Business Drivers
 - 4.1.1.3 Business Challenges
 - 4.1.2 Application
 - 4.1.2.1 North America 6G Market (by Application)
 - 4.1.2.2 North America 6G Market (by Consumer Applications)
 - 4.1.2.3 North America 6G Market (by Industrial and Enterprise Applications)
 - 4.1.3 Product
 - 4.1.3.1 North America 6G Market (by Product)
 - 4.1.3.2 North America 6G Market (by Device)
 - 4.1.3.3 North America 6G Market (by Communication Infrastructure)
 - 4.1.4 North America (by Country)
 - 4.1.4.1 U.S.
 - 4.1.4.1.1 Market
 - 4.1.4.1.1.1 Buyer Attributes
 - 4.1.4.1.1.2 Key Network and Consumer Electronics Providers in the U.S.
 - 4.1.4.1.1.3 Business Challenges
 - 4.1.4.1.1.4 Business Drivers
 - 4.1.4.2 Canada
 - 4.1.4.2.1 Market
 - 4.1.4.2.1.1 Buyer Attributes
 - 4.1.4.2.1.2 Key Network and Consumer Electronics Providers in Canada
 - 4.1.4.2.1.3 Business Challenges
 - 4.1.4.2.1.4 Business Drivers
 - 4.1.4.3 Mexico
 - 4.1.4.3.1 Market
 - 4.1.4.3.1.1 Buyer Attributes
 - 4.1.4.3.1.2 Key Network and Consumer Electronics Providers in Mexico
 - 4.1.4.3.1.3 Business Challenges

4.1.4.3.1.4 Business Drivers

4.2 South America

4.2.1 Market

4.2.1.1 Key Network and Consumer Electronics Providers in South America

4.2.1.2 Business Drivers

4.2.1.3 Business Challenges

4.2.2 Application

4.2.2.1 South America 6G Market (by Application)

4.2.2.2 South America 6G Market (by Consumer Applications)

4.2.2.3 South America 6G Market (by Industrial and Enterprise Applications)

4.2.3 Product

4.2.3.1 South America 6G Market (by Product)

4.2.3.2 South America 6G Market (by Device)

4.2.3.3 South America 6G Market (by Communication Infrastructure)

4.2.4 South America (by Country)

4.2.4.1 Brazil

4.2.4.1.1 Market

4.2.4.1.1.1 Buyer Attributes

4.2.4.1.1.2 Key Network and Consumer Electronics Providers in Brazil

4.2.4.1.1.3 Business Challenges

4.2.4.1.1.4 Business Drivers

4.2.4.2 Rest-of-South America

4.2.4.2.1 Market

4.2.4.2.1.1 Buyer Attributes

4.2.4.2.1.2 Key Network and Consumer Electronics Providers in Rest-of-South

America

4.2.4.2.1.3 Business Challenges

4.2.4.2.1.4 Business Drivers

4.3 Europe

4.3.1 Market

4.3.1.1 Key Network and Consumer Electronics Providers in Europe

4.3.1.2 Business Drivers

4.3.1.3 Business Challenges

4.3.2 Application

4.3.2.1 Europe 6G Market (by Application)

4.3.2.2 Europe 6G Market (by Consumer Applications)

4.3.2.3 Europe 6G Market (by Industrial and Enterprise Applications)

4.3.3 Product

4.3.3.1 Europe 6G Market (by Product)

- 4.3.3.2 Europe 6G Market (by Device)
- 4.3.3.3 Europe 6G Market (by Communication Infrastructure)
- 4.3.4 Europe (by Country)
 - 4.3.4.1 Finland
 - 4.3.4.1.1 Market
 - 4.3.4.1.1.1 Buyer Attributes
 - 4.3.4.1.1.2 Key Network and Consumer Electronics Providers in Finland
 - 4.3.4.1.1.3 Business Challenges
 - 4.3.4.1.1.4 Business Drivers
 - 4.3.4.2 Germany
 - 4.3.4.2.1 Market
 - 4.3.4.2.1.1 Buyer Attributes
 - 4.3.4.2.1.2 Key Network and Consumer Electronics Providers in Germany
 - 4.3.4.2.1.3 Business Challenges
 - 4.3.4.2.1.4 Business Drivers
 - 4.3.4.3 Sweden
 - 4.3.4.3.1 Market
 - 4.3.4.3.1.1 Market Attributes
 - 4.3.4.3.1.2 Key Network and Consumer Electronics Providers in Sweden
 - 4.3.4.3.1.3 Business Challenges
 - 4.3.4.3.1.4 Business Drivers
 - 4.3.4.4 Switzerland
 - 4.3.4.4.1 Market
 - 4.3.4.4.1.1 Buyer Attributes
 - 4.3.4.4.1.2 Key Network and Consumer Electronics Providers in Switzerland
 - 4.3.4.4.1.3 Business Challenges
 - 4.3.4.4.1.4 Business Drivers
- 4.4 U.K.
 - 4.4.1 Market
 - 4.4.1.1 Buyer Attributes
 - 4.4.1.2 Key Network and Consumer Electronics Providers in the U.K.
 - 4.4.1.3 Business Challenges
 - 4.4.1.4 Business Drivers
 - 4.4.2 Application
 - 4.4.2.1 U.K. 6G Market (by Application)
 - 4.4.2.2 U.K. 6G Market (by Consumer Applications)
 - 4.4.2.3 U.K. 6G Market (by Industrial and Enterprise Applications)
 - 4.4.3 Product
 - 4.4.3.1 U.K. 6G Market (by Product)

4.4.3.2 U.K. 6G Market (by Device)

4.4.3.3 U.K. 6G Market (by Communication Infrastructure)

4.5 Middle East and Africa

4.5.1 Market

4.5.1.1 Key Network and Consumer Electronics Providers in Middle East and Africa

4.5.1.2 Business Drivers

4.5.1.3 Business Challenges

4.5.2 Application

4.5.2.1 Middle East and Africa 6G Market (by Application)

4.5.2.2 Middle East and Africa 6G Market (by Consumer Applications)

4.5.2.3 Middle East and Africa 6G Market (by Industrial and Enterprise Applications)

4.5.3 Product

4.5.3.1 Middle East and Africa 6G Market (by Product)

4.5.3.2 Middle East and Africa 6G Market (by Device)

4.5.3.3 Middle East and Africa 6G Market (by Communication Infrastructure)

4.5.4 Middle East and Africa (by Country)

4.5.4.1 U.A.E

4.5.4.1.1 Market

4.5.4.1.1.1 Buyer Attributes

4.5.4.1.1.2 Key Network and Consumer Electronics Providers in the U.A.E.

4.5.4.1.1.3 Business Challenges

4.5.4.1.1.4 Business Drivers

4.6 China

4.6.1 Market

4.6.1.1 Buyer Attributes

4.6.1.2 Key Network and Consumer Electronics Providers in China

4.6.1.3 Business Challenges

4.6.1.4 Business Drivers

4.6.2 Application

4.6.2.1 China 6G Market (by Application)

4.6.2.2 China 6G Market (by Consumer Applications)

4.6.2.3 China 6G Market (by Industrial and Enterprise Applications)

4.6.3 Product

4.6.3.1 China 6G Market (by Product)

4.6.3.2 China 6G Market (by Device)

4.6.3.3 China 6G Market (by Communication Infrastructure)

4.7 Asia-Pacific

4.7.1 Market

4.7.1.1 Key Network and Consumer Electronics Providers in Asia-Pacific

- 4.7.1.2 Business Drivers
- 4.7.1.3 Business Challenges
- 4.7.2 Application
 - 4.7.2.1 Asia-Pacific 6G Market (by Application)
 - 4.7.2.2 Asia-Pacific 6G Market (by Consumer Applications)
 - 4.7.2.3 Asia-Pacific 6G Market (by Industrial and Enterprise Applications)
- 4.7.3 Product
 - 4.7.3.1 Asia-Pacific 6G Market (by Product)
 - 4.7.3.2 Asia-Pacific 6G Market (by Device)
 - 4.7.3.3 Asia-Pacific 6G Market (by Communication Infrastructure)
- 4.7.4 Asia-Pacific (by Country)
 - 4.7.4.1 Japan
 - 4.7.4.1.1 Market
 - 4.7.4.1.1.1 Buyer Attributes
 - 4.7.4.1.1.2 Key Network and Consumer Electronics Providers in Japan
 - 4.7.4.1.1.3 Business Challenges
 - 4.7.4.1.1.4 Business Drivers
 - 4.7.4.2 South Korea
 - 4.7.4.2.1 Market
 - 4.7.4.2.1.1 Buyer Attributes
 - 4.7.4.2.1.2 Key Network and Consumer Electronics Providers in South Korea
 - 4.7.4.2.1.3 Business Challenges
 - 4.7.4.2.1.4 Business Drivers
 - 4.7.4.3 Australia
 - 4.7.4.3.1 Market
 - 4.7.4.3.1.1 Buyer Attributes
 - 4.7.4.3.1.2 Key Network and Consumer Electronics Providers in Australia
 - 4.7.4.3.1.3 Business Challenges
 - 4.7.4.3.1.4 Business Drivers
 - 4.7.4.4 India
 - 4.7.4.4.1 Market
 - 4.7.4.4.1.1 Buyer Attributes
 - 4.7.4.4.1.2 Business Challenges
 - 4.7.4.4.1.3 Business Drivers
 - 4.7.4.5 Rest-of-Asia-Pacific and Japan
 - 4.7.4.5.1 Market
 - 4.7.4.5.1.1 Buyer Attributes
 - 4.7.4.5.1.2 Business Challenges
 - 4.7.4.5.1.3 Business Drivers

5 MARKETS - COMPETITIVE BENCHMARKING & COMPANY PROFILES

5.1 Competitive Benchmarking

5.2 Company Profiles

5.2.1 Apple Inc.

5.2.1.1 Company Overview

5.2.1.1.1 Role of Apple Inc. in 6G Market

5.2.1.1.2 Product Portfolio

5.2.1.1.3 Production Sites

5.2.1.2 Business Strategies

5.2.1.2.1 Product Developments

5.2.1.3 Corporate Strategies

5.2.1.3.1 Mergers and Acquisitions

5.2.1.3.2 Collaborations & Alliances

5.2.1.4 Strengths and Weaknesses of Apple Inc.

5.2.1.5 R&D Analysis

5.2.2 AT&T Inc.

5.2.2.1 Company Overview

5.2.2.1.1 Role of AT&T Inc. in 6G

5.2.2.1.2 Product Portfolio

5.2.2.2 Business Strategies

5.2.2.2.1 Product Development

5.2.2.3 Corporate Strategies

5.2.2.3.1 Mergers and Acquisitions

5.2.2.3.2 Partnerships and Joint Ventures

5.2.2.3.3 Collaborations and Alliances

5.2.2.4 Strengths and Weaknesses of AT&T Inc.

5.2.3 China United Network Communications Group

5.2.3.1 Company Overview

5.2.3.1.1 Role of China United Network Communications Group in 6G

5.2.3.1.2 Product Portfolio

5.2.3.2 Business Strategies

5.2.3.2.1 Product Developments

5.2.3.3 Corporate Strategies

5.2.3.3.1 Partnerships and Joint Ventures

5.2.3.4 Strengths and Weaknesses of China United Network Communications Group

5.2.4 Cisco Systems, Inc.

5.2.4.1 Company Overview

- 5.2.4.1.1 Role of Cisco Systems, Inc. in 6G
- 5.2.4.1.2 Product Portfolio
- 5.2.4.2 Business Strategies
 - 5.2.4.2.1 Product Developments
- 5.2.4.3 Corporate Strategies
 - 5.2.4.3.1 Mergers and Acquisitions
 - 5.2.4.3.2 Partnerships and Joint Ventures
- 5.2.4.4 Strengths and Weaknesses of Cisco Systems, Inc.
- 5.2.4.5 R&D Analysis
- 5.2.5 Google LLC
 - 5.2.5.1 Company Overview
 - 5.2.5.1.1 Role of Google LLC in 6G
 - 5.2.5.1.2 Product Portfolio
 - 5.2.5.2 Business Strategies
 - 5.2.5.2.1 Product Developments
 - 5.2.5.3 Corporate Strategies
 - 5.2.5.3.1 Mergers and Acquisitions
 - 5.2.5.3.2 Partnerships and Joint Ventures
 - 5.2.5.4 Strengths and Weaknesses of Google LLC
 - 5.2.5.5 R&D Analysis
- 5.2.6 Huawei Technologies Co., Ltd.
 - 5.2.6.1 Company Overview
 - 5.2.6.1.1 Role of Huawei Technologies Co., Ltd. in 6G
 - 5.2.6.1.2 Product Portfolio
 - 5.2.6.2 Business Strategies
 - 5.2.6.2.1 Product Developments
 - 5.2.6.3 Corporate Strategies
 - 5.2.6.3.1 Mergers and Acquisitions
 - 5.2.6.4 Strengths and Weaknesses of Huawei Technologies Co., Ltd.
 - 5.2.6.5 R&D Analysis
- 5.2.7 Intel Corporation
 - 5.2.7.1 Company Overview
 - 5.2.7.1.1 Role of Intel Corporation in 6G
 - 5.2.7.1.2 Product Portfolio
 - 5.2.7.2 Business Strategies
 - 5.2.7.2.1 Product Developments
 - 5.2.7.3 Corporate Strategies
 - 5.2.7.3.1 Mergers and Acquisitions
 - 5.2.7.3.2 Partnerships and Joint Ventures

- 5.2.7.4 Strengths and Weaknesses of Intel Corporation
- 5.2.7.5 R&D Analysis
- 5.2.8 LG Corporation
 - 5.2.8.1 Company Overview
 - 5.2.8.1.1 Role of LG Corporation in 6G
 - 5.2.8.1.2 Product Portfolio
 - 5.2.8.2 Corporate Strategies
 - 5.2.8.2.1 Collaborations and Alliances
 - 5.2.8.3 Strengths and Weaknesses of LG Corporation
- 5.2.9 MediaTek Inc.
 - 5.2.9.1 Company Overview
 - 5.2.9.1.1 Role of MediaTek Inc. in 6G
 - 5.2.9.1.2 Product Portfolio
 - 5.2.9.2 Business Strategies
 - 5.2.9.2.1 Product Developments
 - 5.2.9.3 Corporate Strategies
 - 5.2.9.3.1 Mergers and Acquisitions
 - 5.2.9.3.2 Partnerships & Joint Ventures
 - 5.2.9.4 Strengths and Weaknesses of MediaTek Inc.
 - 5.2.9.5 R&D Analysis
- 5.2.10 Nippon Telegraph and Telephone Corporation
 - 5.2.10.1 Company Overview
 - 5.2.10.1.1 Role of Nippon Telegraph and Telephone Corporation in 6G
 - 5.2.10.1.2 Product Portfolio
 - 5.2.10.2 Business Strategies
 - 5.2.10.2.1 Product Developments
 - 5.2.10.2.2 Market Developments
 - 5.2.10.3 Corporate Strategies
 - 5.2.10.3.1 Mergers and Acquisitions
 - 5.2.10.3.2 Collaborations and Alliances
 - 5.2.10.4 Strengths and Weaknesses of Nippon Telegraph and Telephone Corporation
 - 5.2.10.5 R&D Analysis
- 5.2.11 Nokia Corporation
 - 5.2.11.1 Company Overview
 - 5.2.11.1.1 Role of Nokia Corporation in 6G
 - 5.2.11.1.2 Product Portfolio
 - 5.2.11.2 Business Strategies
 - 5.2.11.2.1 Product Developments

- 5.2.11.2.2 Market Developments
- 5.2.11.3 Corporate Strategies
 - 5.2.11.3.1 Partnerships and Joint Ventures
 - 5.2.11.3.2 Collaborations and Alliances
- 5.2.11.4 Strengths and Weaknesses of Nokia Corporation
- 5.2.11.5 R&D Analysis
- 5.2.12 Samsung Electronics Co., Ltd.
 - 5.2.12.1 Company Overview
 - 5.2.12.1.1 Role of Samsung Electronics Co., Ltd. in 6G
 - 5.2.12.1.2 Product Portfolio
 - 5.2.12.2 Business Strategies
 - 5.2.12.2.1 Product Developments
 - 5.2.12.3 Corporate Strategies
 - 5.2.12.3.1 Mergers and Acquisitions
 - 5.2.12.3.2 Partnerships and Joint Ventures
 - 5.2.12.4 Strengths and Weaknesses of Samsung Electronics Co., Ltd.
 - 5.2.12.5 R&D Analysis
- 5.2.13 SK Telecom
 - 5.2.13.1 Company Overview
 - 5.2.13.1.1 Role of SK Telecom in 6G
 - 5.2.13.1.2 Product Portfolio
 - 5.2.13.2 Business Strategies
 - 5.2.13.2.1 Product Developments
 - 5.2.13.3 Corporate Strategies
 - 5.2.13.3.1 Mergers and Acquisitions
 - 5.2.13.3.2 Partnerships and Joint Ventures
 - 5.2.13.4 Strengths and Weaknesses of SK Telecom
 - 5.2.13.5 R&D Analysis
- 5.2.14 Sony Corporation
 - 5.2.14.1 Company Overview
 - 5.2.14.1.1 Role of Sony Corporation in 6G
 - 5.2.14.1.2 Product Portfolio
 - 5.2.14.2 Corporate Strategies
 - 5.2.14.2.1 Mergers and Acquisitions
 - 5.2.14.2.2 Partnerships and Joint Ventures
 - 5.2.14.3 Strengths and Weaknesses of Sony Corporation
- 5.2.15 T-Mobile US, Inc.
 - 5.2.15.1 Company Overview
 - 5.2.15.1.1 Role of T-Mobile US, Inc. in 6G

- 5.2.15.1.2 Product Portfolio
- 5.2.15.2 Business Strategies
 - 5.2.15.2.1 Product Developments
- 5.2.15.3 Corporate Strategies
 - 5.2.15.3.1 Mergers and Acquisitions
 - 5.2.15.3.2 Partnerships and Joint Ventures
 - 5.2.15.3.3 Collaborations and Alliances
- 5.2.15.4 Strengths and Weaknesses of T-Mobile US, Inc.
- 5.2.16 Telefonaktiebolaget LM Ericsson
 - 5.2.16.1 Company Overview
 - 5.2.16.1.1 Role of Telefonaktiebolaget LM Ericsson in 6G
 - 5.2.16.1.2 Product Portfolio
 - 5.2.16.2 Business Strategies
 - 5.2.16.2.1 Product Developments
 - 5.2.16.3 Corporate Strategies
 - 5.2.16.3.1 Partnerships and Joint Ventures
 - 5.2.16.3.2 Collaborations and Alliances
 - 5.2.16.4 Strengths and Weaknesses of Telefonaktiebolaget LM Ericsson
 - 5.2.16.5 R&D Analysis
- 5.2.17 Verizon Communications Inc.
 - 5.2.17.1 Company Overview
 - 5.2.17.1.1 Role of Verizon Communications Inc. in 6G
 - 5.2.17.1.2 Product Portfolio
 - 5.2.17.2 Business Strategies
 - 5.2.17.2.1 Product Developments
 - 5.2.17.3 Corporate Strategies
 - 5.2.17.3.1 Mergers and Acquisitions
 - 5.2.17.3.2 Partnerships and Joint Ventures
 - 5.2.17.4 Strengths and Weaknesses of Verizon Communications Inc.
- 5.2.18 ZTE Corporation
 - 5.2.18.1 Company Overview
 - 5.2.18.1.1 Role of ZTE Corporation in 6G
 - 5.2.18.1.2 Product Portfolio
 - 5.2.18.2 Business Strategies
 - 5.2.18.2.1 Product Developments
 - 5.2.18.2.2 Market Developments
 - 5.2.18.3 Corporate Strategies
 - 5.2.18.3.1 Partnerships and Joint Ventures
 - 5.2.18.4 Strengths and Weaknesses of ZTE Corporation

5.2.18.5 R&D Analysis

6 RESEARCH METHODOLOGY

List Of Figures

LIST OF FIGURES

- Figure 1: Global 6G Market, \$Billion, 2028-2035
- Figure 2: Global 6G Market (by Application), FY2028
- Figure 3: Global 6G Market (by Consumer Applications), \$Billion, 2028-2035
- Figure 4: 6G Market (by Industrial and Enterprise Applications), \$Billion, 2028-2035
- Figure 5: 6G Market (by Product), FY2028
- Figure 6: 6G Market (by Device), \$Billion, 2028-2035
- Figure 7: 6G Market (by Communication Infrastructure), \$Billion, 2028-2035
- Figure 8: 6G Market (by Region), \$Million, 2028
- Figure 9: Figure 6G Market Coverage
- Figure 10: Stakeholders Analysis Matrix
- Figure 11: Revenue Analysis for Telecom Operators FY2019.
- Figure 12: Influence of 6G on Application Oriented Companies
- Figure 13: Events Affecting Growth in Internet Users
- Figure 14: Internet Demand Cycle
- Figure 15: Relationship Between Smart Infrastructure and 6G
- Figure 16: Role of Government Bodies in Telecommunications
- Figure 17: 5G and 6G Patent Trend (2009-2030)
- Figure 18: Year-Wise Total number of Patents for 6G (January 2017-January 2021)
- Figure 19: Patent Analysis (by Status) (January 2017-January 2021)
- Figure 20: Year-Wise Total Patents Filed or Granted for 6G January 2017-January 2021
- Figure 21: Patent Analysis (by Inventor Type)
- Figure 22: Patents Analysis (by Patent Office) 24912 Patents Analysed for 5G and 223 Patents Analysed for 6G
- Figure 23: Patents Analysis (by Organization) 24912 Patents Analysed for 5G and 223 Patents Analysed for 6G
- Figure 24: Patents Analysis (by Patent Objective)
- Figure 25: Telecom Generation Timeline
- Figure 26: Transition of Various Telecommunication Generation
- Figure 27: Streaming Latency Continuum
- Figure 28: Number of Internet Users (\$Million)
- Figure 29: Share of Key Market Strategies and Developments, January 2018–December 2020
- Figure 30: Product Development (by Company), January 2018–December 2020
- Figure 31: Business Expansions (by Company), January 2018–December 2020
- Figure 32: Mergers and Acquisitions (by Company), January 2018–December 2020

Figure 33: Partnerships, Collaborations, and Joint Ventures (by Company), January 2018–December 2020

Figure 34: Global M2M Connections, Billion, 2018-2023

Figure 35: 6G Market (by Product Type)

Figure 36: Global Internet Users, Billion, 2018-2023

Figure 37: 6G Market (by Communication Infrastructure)

Figure 38: Mobile Cellular Subscriptions, Billion, 2011-2019

Figure 39: Competitive Benchmarking Matrix

Figure 40: Apple Inc.: R&D (2018-2020)

Figure 41: Nokia Corporation: R&D (2018-2020)

Figure 42: Intel Corporation: R&D (2018-2020)

Figure 43: Huawei Technologies Co., Ltd.: R&D (2017-2019)

Figure 44: Cisco Systems, Inc. R&D (2018-2020)

Figure 45: Telefonaktiebolaget LM Ericsson: R&D (2018-2020)

Figure 46: MediaTek Inc. R&D (2017-2019)

Figure 47: SK Telecom R&D (2018-2020)

Figure 48: Samsung Electronics Co., Ltd. R&D (2017-2019)

Figure 49: ZTE Corporation R&D (2017-2019)

Figure 50: Nippon Telegraph and Telephone Corporation R&D (2017-2019)

Figure 51: Google LLC R&D (2017-2019)

Figure 52: Research Methodology

Figure 53: Top-Down and Bottom-Up Approach

List Of Tables

LIST OF TABLES

Table 1: 1G to 6G Improvements

Table 2: Key Consortiums and Associations in 6G Technology

Table 3: 6G Market (by End Use Applications), \$Billion, 2028-2035

Table 4: 6G Market (by Consumer Applications), \$Billion, 2028-2035

Table 5: 6G Market (by Industrial and Enterprise Applications), \$Billion, 2028-2035

Table 6: 6G Market (by Product), \$Billion, 2028-2035

Table 7: 6G Market (by Device), \$Billion, 2028-2035

Table 8: 6G Market (by Communication Infrastructure), \$Billion, 2028-2035

Table 9: 6G Market (by Region), \$Billion, 2028-2035

Table 10: North America 6G Market (by Application), \$Billion, 2028-2035

Table 11: North America 6G Market (by Consumer Applications), \$Billion, 2028-2035

Table 12: North America 6G Market (by Industrial and Enterprise Applications), \$Billion, 2028-2035

Table 13: North America 6G Market (by Product), \$Billion, 2028-2035

Table 14: North America 6G Market (by Device), \$Billion, 2028-2035

Table 15: North America 6G Market (by Communication Infrastructure), \$Billion, 2028-2035

Table 16: North America 6G Market (by Country), \$Billion, 2028-2035

Table 17: South America 6G Market (by Application), \$Billion, 2028-2035

Table 18: South America 6G Market (by Consumer Applications), \$Billion, 2028-2035

Table 19: South America 6G Market (by Industrial and Enterprise Applications), \$Billion, 2028-2035

Table 20: South America 6G Market (by Product), \$Billion, 2028-2035

Table 21: South America 6G Market (by Device), \$Billion, 2028-2035

Table 22: South America 6G Market (by Communication Infrastructure), \$Billion, 2028-2035

Table 23: South America 6G Market (by Country), \$Billion, 2028-2035

Table 24: Europe 6G Market (by Application), \$Billion, 2028-2035

Table 25: Europe 6G Market (by Consumer Applications), \$Billion, 2028-2035

Table 26: Europe 6G Market (by Industrial and Enterprise Applications), \$Billion, 2028-2035

Table 27: Europe 6G Market (by Product), \$Billion, 2028-2035

Table 28: Europe 6G Market (by Device), \$Billion, 2028-2035

Table 29: Europe 6G Market (by Communication Infrastructure), \$Billion, 2028-2035

Table 30: Europe 6G Market (by Country), \$Billion, 2028-2035

Table 31: U.K. 6G Market (by Application), \$Billion, 2028-2035

Table 32: U.K. 6G Market (by Consumer Applications), \$Billion, 2028-2035

Table 33: U.K. 6G Market (by Industrial and Enterprise Applications), \$Billion, 2028-2035

Table 34: U.K. 6G Market (by Product), \$Billion, 2028-2035

Table 35: U.K. 6G Market (by Device), \$Billion, 2028-2035

Table 36: U.K. 6G Market (by Communication Infrastructure), \$Billion, 2028-2035

Table 37: Middle East and Africa 6G Market (by Application), \$Billion, 2028-2035

Table 38: Middle East and Africa 6G Market (by Consumer Applications), \$Billion, 2028-2035

Table 39: Middle East and Africa 6G Market (by Industrial and Enterprise Applications), \$Billion, 2028-2035

Table 40: Middle East and Africa 6G Market (by Product), \$Billion, 2028-2035

Table 41: Middle East and Africa 6G Market (by Device), \$Billion, 2028-2035

Table 42: Middle East and Africa 6G Market (by Communication Infrastructure), \$Billion, 2028-2035

Table 43: Middle East and Africa 6G Market (by Country), \$Billion, 2028-2035

Table 44: China 6G Market (by Application), \$Billion, 2028-2035

Table 45: China 6G Market (by Consumer Applications), \$Billion, 2028-2035

Table 46: China 6G Market (by Industrial and Enterprise Applications), \$Billion, 2028-2035

Table 47: China 6G Market (by Product), \$Billion, 2028-2035

Table 48: China 6G Market (by Device), \$Billion, 2028-2035

Table 49: China 6G Market (by Communication Infrastructure), \$Billion, 2028-2035

Table 50: Asia-Pacific 6G Market (by Application), \$Billion, 2028-2035

Table 51: Asia-Pacific 6G Market (by Consumer Applications), \$Billion, 2028-2035

Table 52: Asia-Pacific 6G Market (by Industrial and Enterprise Applications), \$Billion, 2028-2035

Table 53: Asia-Pacific 6G Market (by Product), \$Billion, 2028-2035

Table 54: Asia-Pacific 6G Market (by Device), \$Billion, 2028-2035

Table 55: Asia-Pacific 6G Market (by Communication Infrastructure), \$Billion, 2028-2035

Table 56: Asia-Pacific 6G Market (by Country), \$Billion, 2028-2035

Table 57: Apple Inc.: Product Portfolio

Table 58: Product Developments

Table 59: Mergers and Acquisitions

Table 60: Collaborations & Alliances

Table 61: Nokia Corporation: Product Portfolio

Table 62: Product Developments

| |
|---|
| Table 63: Market Developments |
| Table 64: Partnerships and Joint Ventures |
| Table 65: Collaborations and Alliances |
| Table 66: AT&T Inc.: Product Portfolio |
| Table 67: Product Developments |
| Table 68: Mergers and Acquisitions |
| Table 69: Partnerships and Joint Ventures |
| Table 70: Collaborations and Alliances |
| Table 71: T-Mobile US, Inc.: Product Portfolio |
| Table 72: Product Developments |
| Table 73: Mergers and Acquisitions |
| Table 74: Partnerships and Joint Ventures |
| Table 75: Collaborations and Alliances |
| Table 76: Verizon Communications: Product Portfolio |
| Table 77: Product Developments |
| Table 78: Mergers and Acquisitions |
| Table 79: Partnerships and Joint Ventures |
| Table 80: Intel Corporation: Product Portfolio |
| Table 81: Product Developments |
| Table 82: Mergers and Acquisitions |
| Table 83: Partnerships and Joint Ventures |
| Table 84: Huawei Technologies Co., Ltd.: Product Portfolio |
| Table 85: Product Developments |
| Table 86: Mergers and Acquisitions |
| Table 87: LG Corporation: Product Portfolio |
| Table 88: Collaborations and Alliances |
| Table 89: Cisco Systems, Inc.: Product Portfolio |
| Table 90: Product Developments |
| Table 91: Mergers and Acquisitions |
| Table 92: Partnerships and Joint Ventures |
| Table 93: Sony Corporation: Product Portfolio |
| Table 94: Mergers and Acquisitions |
| Table 95: Partnerships and Joint Ventures |
| Table 96: Telefonaktiebolaget LM Ericsson: Product Portfolio |
| Table 97: Product Developments |
| Table 98: Partnerships and Joint Ventures |
| Table 99: Collaborations and Alliances |
| Table 100: China United Network Communications Group: Product Portfolio |
| Table 101: Product Developments |

| |
|--|
| Table 102: Partnerships and Joint Ventures |
| Table 103: MediaTek Inc.: Product Portfolio |
| Table 104: Product Developments |
| Table 105: Mergers and Acquisitions |
| Table 106: Partnerships & Joint Ventures |
| Table 107: SK Telecom: Product Portfolio |
| Table 108: Product Developments |
| Table 109: Mergers and Acquisitions |
| Table 110: Partnerships and Joint Ventures |
| Table 111: Samsung Electronics Co., Ltd.: Product Portfolio |
| Table 112: Product Developments |
| Table 113: Mergers and Acquisitions |
| Table 114: Partnerships and Joint Ventures |
| Table 115: ZTE Corporation: Product Portfolio |
| Table 116: Product Developments |
| Table 117: Market Developments |
| Table 118: Partnerships and Joint Ventures |
| Table 119: Nippon Telegraph and Telephone Corporation: Product Portfolio |
| Table 120: Product Developments |
| Table 121: Market Developments |
| Table 122: Mergers and Acquisitions |
| Table 123: Collaborations and Alliances |
| Table 124: Google LLC: Product Portfolio |
| Table 125: Product Developments |
| Table 126: Mergers and Acquisitions |
| Table 127: Partnerships and Joint Ventures |

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