COVID-19 Impact on 5G Infrastructure Market by Communication Infrastructure (Small Cell and Macro Cell), Core Network Technology Type (SDN and NFV), End-User (Commercial, Residential, Government, Industrial), and Region - Global Forecast to 2025

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Abstracts

"Increasing demand for high data transfer speed with low latency to drive growth of the 5G infrastructure market"

Post COVID-19, the 5G Infrastructure market is estimated to grow from USD 12.6 billion in 2020 and projected to reach USD 44.9 billion by 2025, at a CAGR of 28.97%. The projection for 2025 is estimated to be down by 22.79% as compared to pre COVID-19 estimation. The major factors driving the growth of the global 5G infrastructure market is the need for high data transfer speed with low latency, increasing adoption of IoT devices, rising implementation of automation technologies across the end-user industries, and exponential rise in data traffic.

"5G macro cell-based communication Infrastructure market to generate highest revenue between 2020 and 2025"

Macro cells provide radio coverage for cellular networks and comprise the bulk of 4G/5G data traffic. Though macro cell sites are costly to deploy, they generate a higher average gross margin compared with small cells. Since one macro cell can cover several small cells. The impact of COVID-19 on macro cells is expected to be high as operators are seeking to minimize their capital spending to remain in the growth stage. However, the COVID-19 crisis has made end users realize the true value of automation, IoT, and digitalization, who are now anticipated to increase their focus on implementing 5G wireless technology across their facilities, leading to aggressive deployment of

macro cells during 2020-2025.

“Industrial end-user to have the highest CAGR in 5G infrastructure market during forecast period”

The industrial market is estimated to grow at the highest rate because of the growing demand for process automation in various manufacturing and process industries. 5G networks will become mainstream in industrial facilities for various applications. To efficiently collect, store, manage, and analyze the data generated by connected devices, a robust communication network infrastructure such as 5G will be needed to facilitate communication between IoT devices.

“5G infrastructure market in APAC to generate highest revenue between 2020 and 2025 during forecast period “

The 5G infrastructure market in APAC is expected to generate highest revenue during the forecast period. This growth is attributed to aggressive spending on the development 5G network infrastructure by China, South Korea, Japan, and India. The rising 5G subscriber base and the adoption of 5G smartphones in these countries will result in large scale deployment of 5G base stations.

In the process of determining and verifying the market size for several segments gathered through secondary research, extensive primary interviews have been conducted with the key experts. The breakup of the profiles of primary participants is as follows:

By Company Type: Tier 1 – 20 %, Tier 2 – 50%, and Tier 3 – 30%

By Designation: C-level Executives – 30%, Manager Level – 50%, Others – 20%

By Geography: North America – 20%, Europe – 40%, APAC – 30%, and RoW – 10%

Some of the major players in the global 5G infrastructure market are Ericsson (Sweden), Huawei Technologies Co., Ltd. (US), Nokia Networks (Finland), Samsung Electronics Co., Ltd. (South Korea), and ZTE Corporation (China) among others.

Research Coverage

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This report covers the COVID-19 impact on 5G infrastructure market based on communication infrastructure type, core network technology, end-user, and geography. A detailed analysis of the key industry players has been done to provide insights into their business, products and services, and key strategies associated with the 5G infrastructure market.

Reasons to Buy the Report:

- Illustrative Pre COVID-19 and post COVID-19 impact analysis on supply chain members, communication infrastructure, end-users, geography, key players, and forecast during 2020-2025
- Major drivers, restraints, and strategies followed by value chain members to minimize COVID-19 impact.

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