

Global Self Organizing Network Market Size study & Forecast, by Cellular Network (2G/3G, 4G/ LTE) By Architecture (Centralized (C-SON), Distributed (D-SON), Hybrid (H-SON)) and Regional Analysis, 2023-2030

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Abstracts

Global Self Organizing Network Market is valued approximately at USD xx billion in 2022 and is anticipated to grow with a healthy growth rate of more than xx% over the forecast period 2023-2030. Self-Organizing Network is a concept and set of technologies used in the telecommunications industry to automate the planning, deployment, optimization, and maintenance of wireless networks. SON aims to enhance network performance, reduce operational costs and improve the overall user experience by leveraging intelligent algorithms and automation. The Self Organizing Network market is expanding because of factors such as rising adoption of 5G network and increasing internet penetration. Its importance has progressively increased during the forecast period 2023-2030.

According to Statista, in 2023, Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, and the United Arab Emirates are expected to have the highest 5G adoption rates of any area in the world by 2030, at 95%. Furthermore, South Korea is expected to witness the highest share of 5G mobile connections among the leading markets for 5G throughout the world, with the technology accounting for 73% of total mobile connections in the country. Japan and the United States are expected to follow with a 68% share each, while Germany is anticipated to be third with 58% by 2025. Another important factor driving the Self Organizing Network market is increasing internet penetration. Self-organizing network can play vital role in expanding connectivity and improving network performance by automating network planning and optimization, which can help in deploying network infrastructure more efficiently. In addition, as per Statista, in 2023,

there were 5.18 billion internet users worldwide, which amounted to 64.6% of the global population. Moreover, growing demand for high-speed connectivity and rising technological advancement in Self Organizing Network is anticipated to create a lucrative growth opportunity for the market over the forecast period. However, high cost of implementation and technical complexity stifles market growth throughout the forecast period of 2023-2030.

The key regions considered for the Global Self Organizing Network Market study includes Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 with largest market share owing to the presence of key market players in the region. Furthermore, Asia Pacific is expected to grow significantly during the forecast period, owing to factors such as increased adoption of 5G in cellular networks especially in countries such as China, India, and Japan.

Major market player included in this report are:

NEC Corporation

Airhop Communications Inc

Nokia Solutions and Networks

Huawei Technologies Co., Ltd

Amdocs Inc

RadiSys Corporation

Ascom Holding AG

Cisco Systems Inc

Telefonaktiebolaget LM Ericsson

Cellwize Wireless Technologies Pte Ltd

Recent Developments in the Market:

In May 2022, Cisco has introduced a predictive analytics engine that will be available as software-as-a-service to network operators to enable them rapidly and correctly identify network issues and prevent problems from occurring. Cisco Predictive Networks collects data from numerous telemetry sources. Once incorporated, it begins to forecast user experience difficulties and provides problem-solving choices by learning the patterns using a number of models. Customers can choose how far and wide they wish to link the engine over the network, providing them the flexibility to expand as needed.

Global Self Organizing Network Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Cellular Network, Architecture, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest

along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Cellular Network

2G/3G

4G/ LTE

By Architecture

Centralized (C-SON)

Distributed (D-SON)

Hybrid (H-SON)

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

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