

Global Self-Healing Grid Market - Forecasts from 2020 to 2025

<https://marketpublishers.com/r/GC93E8896191EN.html>

Date: July 2020

Pages: 122

Price: US\$ 3,950.00 (Single User License)

ID: GC93E8896191EN

Abstracts

The global self-healing grid Market is projected to grow at a CAGR of 27.52% to reach US\$8.834 billion by 2025 from US\$2.054 billion in 2019.

The increasing requirement for automation and smart solutions and technologies due to the improving industry standards and the rising concerns among the industry players in order to reduce overall costs

The industry standards are improving, the product and solution requirement by the different industries is also rising and is encouraging the companies to provide automated solutions with recent technologies so as to deal with the problems effectively. The power distribution grid, which is responsible for the management of power and controlling the distribution and transmission of power is also facing different challenges as the infrastructure is getting older.

Moreover, there are rising concerns among the power grid companies and owners to adopt eco-friendly, energy saving and cost saving automation solutions so as to minimize the burden of maintenance, and labor costs. Also, as there are other power sources being integrated in the distribution and power grid systems such as thermal power, solar power among others, the end-users are struggling to adhere to the industry standards and regulations and adopting self-healing solutions. Therefore, these factors are causing the market growth to propel over the forecast period.

The unavailability of required infrastructure and the supported technologies coupled with the lack of skilled workforce required for the maintenance and operations in the low-income regions.

The self-healing grids are also considered as one of the additional features and advancement which is used to enhance the functionality of the smart grid solutions that are being deployed in different countries globally, so as to make the related process more efficient. However, the deployment of self-healing technology or self-healing grids takes up a high initial investment and also requires skilled labor for the maintenance of the various features. This is not possible in some of many of the low-income countries and regions, as there is unavailability of the required infrastructure and lack of skilled workforce. Hence, this factor poses as a restraint in the self-healing market growth over the forecast period.

Product launches and product offerings by Major Market Players in the Self-Healing Grid Market

The market players are highly active in the market by offering and making available a variety of smart grid and power distribution self-healing solutions with enhanced and advanced features in order to cater to the rising demands from different end-users.

Some of the examples of product launches and offerings are as follows:

The North American region is estimated to hold a notable share over the forecast period owing to the faster adoption by the power grid owners as the transmission and distribution losses are increasing. On the other hand, the Asia Pacific region is poised to show modest growth due to efforts being made by the government of countries such as India to adopt smart grids and self-healing grid solutions

The North American region is estimated to hold a considerable market share throughout the forecast period owing to the fact that the adoption of such systems is growing faster in the different states of countries such as the US. This is due to the fact that the power losses in the transmission and the distribution of electricity via power grid are estimated to be around 5%, according to the data and statistics provide by the U.S. Energy

Information Administration. Moreover, there are rising investments being made by the market players in order to provide advanced and more enhanced solutions to make the management of distribution grids automated and more efficient.

On the other hand, the Asia Pacific region shows the potential to grow at a notable pace over the forecast period. This is attributed fact that the government of countries such as India are increasingly involved in order to improve the distribution sector in the country by launching programs such as the National Smart Grid Mission, which has been undertaken by the Ministry of Power.

Segmentation:

By Application

Power Transmission

Power Distribution

By Grid Integration Source

Conventional

Non-Conventional

By Geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

Others

Europe

UK

Germany

France

Spain

Others

Middle East and Africa

Saudi Arabia

UAE

Israel

Others

Asia Pacific

Japan

China

India

South Korea

Others

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