

2018-2023 Global Synchrophasor Consumption Market Report

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Abstracts

In this report, LP Information covers the present scenario (with the base year being 2017) and the growth prospects of global Synchrophasor market for 2018-2023. A synchrophasor is a time-synchronized measurement of a quantity described by a phasor. Like a vector, a phasor has magnitude and phase information. Devices called phasor measurement units (PMU) measure voltage and current and with these measurements calculate parameters such as frequency and phase angle. It provides real-time data of the grid system to operators, helping them make decisions to prevent any power outage. The measurements obtained from synchrophasor are used to improve grid visualization, operational monitoring, power system control, stability monitoring, state estimation, and fault analysis. Each measurement taken by a synchrophasor is time-stamped according to a common time reference. This enables synchrophasor from different utilities to be combined and synchronized, which presents a comprehensive view of a regional interconnection.

ABB, GE Grid Solutions and Siemens Energy captured the top three revenue share spots in the Synchrophasor market in 2016. ABB dominated with 19.77 % revenue share, followed by GE Grid Solutions with 17.39% revenue share and Siemens Energy with 13.84% revenue share.

In the next five years, the global consumption volume of Synchrophasor will show upwards tendency further, consumption volume is expected in 2022 will be 4521 Units. Especially, in some emergence countries, such as India and Brazil among others, the synchrophasor installation capacity will present an upwards growth rate in the future, because of the national policy and the PMUs' advantage than SCADA. The global average selling price will be around 74596 \$/Unit in 2022.

The market is not only influenced by the price, but also influenced by the product performance. The leading companies own the advantages on better performance, more



abundant product's types, better technical and impeccable after-sales service. Consequently, they take the majority of the market share of high-end market. Despite the presence of competition problems and the high entry, due to the global recovery trend is slightly, investor are still optimistic about this area; the future will still have more new investment enter the field.

Over the next five years, LPI(LP Information) projects that Synchrophasor will register a 24.3% CAGR in terms of revenue, reach US\$ 280 million by 2023, from US\$ 96 million in 2017.

This report presents a comprehensive overview, market shares, and growth opportunities of Synchrophasor market by product type, application, key manufacturers and key regions.

To calculate the market size, LP Information considers value and volume generated from the sales of the following segments:

Segmentation by product type:

Synchrophasor

Type II

Segmentation by application:

Power Station

Transforming Station

Others

This report also splits the market by region:

Americas

United States



Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Spain

Middle East & Africa

Egypt

South Africa



Israel

Turkey

GCC Countries

The report also presents the market competition landscape and a corresponding detailed analysis of the major vendor/manufacturers in the market. The key manufacturers covered in this report:

ABB

GE Grid Solutions

Siemens Energy

State Grid Corporation of China

Beijing Sifang Automation

Schweitzer Engineering Laboratories

NR Electric

Arbiter Systems

Vizimax

Macrodyne

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key manufacturers and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives



To study and analyze the global Synchrophasor consumption (value & volume) by key regions/countries, product type and application, history data from 2013 to 2017, and forecast to 2023.

To understand the structure of Synchrophasor market by identifying its various subsegments.

Focuses on the key global Synchrophasor manufacturers, to define, describe and analyze the sales volume, value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Synchrophasor with respect to individual growth trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the consumption of Synchrophasor submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches, and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.



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