

# 2018 Top 5 Synchrophasor Players in North America, Europe, Asia-Pacific, South America, Middle East and Africa

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## Abstracts

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 studies the global market, especially in North America, Europe, Asia-Pacific, South America, Middle East and Africa, focuses on the top 5 players in each region, with sales, price, revenue and market share from 2013 to 2018, the top players:

ABB

GE Grid Solutions

Siemens Energy

State Grid Corporation of China

Beijing Sifang Automation

Schweitzer Engineering Laboratories

NR Electric

Arbiter Systems

Vizimax

Macrodyne

Market Segment by Regions, this report splits Global into several key Regions, with sales, revenue, market share of top players in these regions, from 2013 to 2018 (forecast), like

North America (United States, Canada and Mexico)

Asia-Pacific (China, Japan, Southeast Asia, India and Korea)

Europe (Germany, UK, France, Italy and Russia etc.)

South America (Brazil, Chile, Peru and Argentina)

Middle East and Africa (Egypt, South Africa, Saudi Arabia)

Split by Product Types, with sales, revenue, price, market share of each type, can be divided into

Synchrophasor

Type II

Split by applications, this report focuses on sales, market share and growth rate in each application, can be divided into

Power Station

Transforming Station

Others

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