

Global Synchrophasor Market by Size, by Type, by Application, by Region, History and Forecast 2019-2030

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Abstracts

Summary

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.

According to APO Research, The global Synchrophasor market is projected to grow from US\$ million in 2024 to US\$ million by 2030, at a Compound Annual Growth Rate (CAGR) of % during the forecast period.

The US & Canada market for Synchrophasor is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Asia-Pacific market for Synchrophasor is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.



The China market for Synchrophasor is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

Europe market for Synchrophasor is estimated to increase from \$ million in 2024 to reach \$ million by 2030, at a CAGR of % during the forecast period of 2025 through 2030.

The major global manufacturers of Synchrophasor include Schweitzer Engineering Laboratories, ABB, Beijing Sifang Automation Co., Ltd., State Grid Corporation of China, Siemens Energy, NR Electric, GE Grid Solutions, Vizimax and Arbiter Systems, etc. In 2023, the world's top three vendors accounted for approximately % of the revenue.

In terms of production side, this report researches the Synchrophasor production, growth rate, market share by manufacturers and by region (region level and country level), from 2019 to 2024, and forecast to 2030.

In terms of consumption side, this report focuses on the sales of Synchrophasor by region (region level and country level), by company, by type and by application. from 2019 to 2024 and forecast to 2030.

This report presents an overview of global market for Synchrophasor, capacity, output, revenue and price. Analyses of the global market trends, with historic market revenue or sales data for 2019 - 2023, estimates for 2024, and projections of CAGR through 2030.

This report researches the key producers of Synchrophasor, also provides the consumption of main regions and countries. Of the upcoming market potential for Synchrophasor, and key regions or countries of focus to forecast this market into various segments and sub-segments. Country specific data and market value analysis for the U.S., Canada, Mexico, Brazil, China, Japan, South Korea, Southeast Asia, India, Germany, the U.K., Italy, Middle East, Africa, and Other Countries.

This report focuses on the Synchrophasor sales, revenue, market share and industry ranking of main manufacturers, data from 2019 to 2024. Identification of the major stakeholders in the global Synchrophasor market, and analysis of their competitive landscape and market positioning based on recent developments and segmental revenues. This report will help stakeholders to understand the competitive landscape



and gain more insights and position their businesses and market strategies in a better way.

This report analyzes the segments data by type and by application, sales, revenue, and price, from 2019 to 2030. Evaluation and forecast the market size for Synchrophasor sales, projected growth trends, production technology, application and end-user industry.

Synchrophasor segment by Company Schweitzer Engineering Laboratories **ABB** Beijing Sifang Automation Co., Ltd. State Grid Corporation of China Siemens Energy NR Electric **GE Grid Solutions** Vizimax **Arbiter Systems** Synchrophasor segment by Type Type I Type II

Synchrophasor segment by Application

Power Station



Transforming Station		
Others		
ynchrophasor segment by Region		
North America		
U.S.		
Canada		
Europe		
Germany		
France		
U.K.		
Italy		
Russia		
Asia-Pacific		
China		
Japan		
South Korea		
India		
Australia		
China Taiwan		



Indo	onesia
Tha	niland
Mala	aysia
Latin Ameri	ica
Mex	kico
Braz	zil
Arge	entina
Middle East	t & Africa
Turk	key
Sau	udi Arabia
UAE	Ξ
Study Objectives	
•	research the global status and future forecast, involving, production, n, growth rate (CAGR), market share, historical and forecast.
2. To present the k	ey manufacturers, capacity, production, revenue, market share, and

5. To identify significant trends, drivers, influence factors in global and regions.

3. To split the breakdown data by regions, type, manufacturers, and Application.

4. To analyze the global and key regions market potential and advantage, opportunity

and challenge, restraints, and risks.



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

Reasons to Buy This Report

- 1. This report will help the readers to understand the competition within the industries and strategies for the competitive environment to enhance the potential profit. The report also focuses on the competitive landscape of the global Synchrophasor market, and introduces in detail the market share, industry ranking, competitor ecosystem, market performance, new product development, operation situation, expansion, and acquisition. etc. of the main players, which helps the readers to identify the main competitors and deeply understand the competition pattern of the market.
- 2. This report will help stakeholders to understand the global industry status and trends of Synchrophasor and provides them with information on key market drivers, restraints, challenges, and opportunities.
- 3. This report will help stakeholders to understand competitors better and gain more insights to strengthen their position in their businesses. The competitive landscape section includes the market share and rank (in volume and value), competitor ecosystem, new product development, expansion, and acquisition.
- 4. This report stays updated with novel technology integration, features, and the latest developments in the market.
- 5. This report helps stakeholders to gain insights into which regions to target globally.
- 6. This report helps stakeholders to gain insights into the end-user perception concerning the adoption of Synchrophasor.
- 7. This report helps stakeholders to identify some of the key players in the market and understand their valuable contribution.

Chapter Outline

Chapter 1: Provides an overview of the Synchrophasor market, including product definition, global market growth prospects, production value, capacity, and average price forecasts (2019-2030).



Chapter 2: Analysis key trends, drivers, challenges, and opportunities within the global Synchrophasor industry.

Chapter 3: Detailed analysis of Synchrophasor market competition landscape. Including Synchrophasor manufacturers' output value, output and average price from 2019 to 2024, as well as competition analysis indicators such as origin, product type, application, merger and acquisition information, etc.

Chapter 4: Provides the analysis of various market segments by type, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 5: Provides the analysis of various market segments by application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 6: Provides profiles of key players, introducing the basic situation of the main companies in the market in detail, including product production/output, value, price, gross margin, product introduction, recent development, etc.

Chapter 7: Production/Production Value of Synchrophasor by region. It provides a quantitative analysis of the market size and development potential of each region in the next six years.

Chapter 8: Consumption of Synchrophasor in regional level and country level. It provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and production of each country in the world.

Chapter 9: Analysis of industrial chain, including the upstream and downstream of the industry.

Chapter 10: Concluding Insights of the report.



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