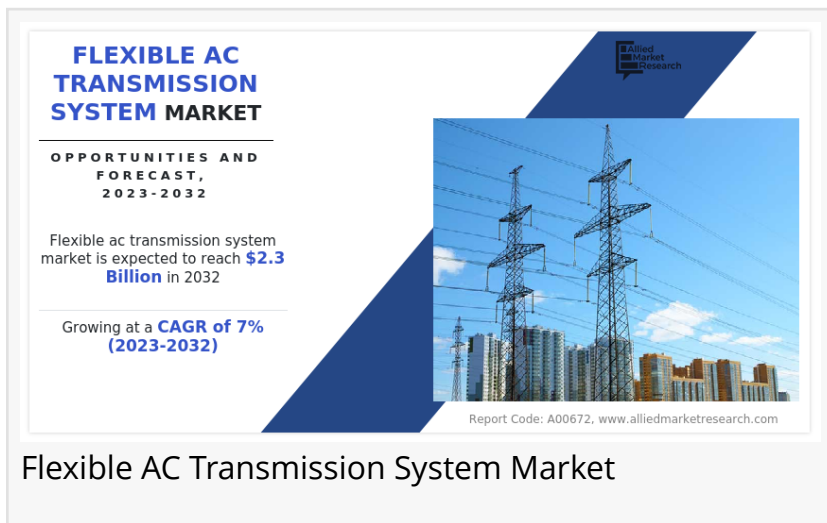


Flexible AC Transmission System Market Estimated to Experience a Hike in Growth By 2032

Flexible AC Transmission System Market Expected to Reach \$2.3 Billion by 2032 — Allied Market Research

WILMINGTON, DELAWARE, UNITED STATES, July 23, 2024

/EINPresswire.com/ -- The flexible AC transmission systems (FACTS) market is expected to continue growing in the coming years, owing to increasing demand for electricity, grid modernization initiatives, integration of renewable energy sources, and focus on grid flexibility and reliability. Allied Market Research, titled, "[Flexible AC Transmission System Market](#)," The flexible ac transmission system market was valued at \$1.2 billion in 2022, and is estimated to reach \$2.3 billion by 2032, growing at a CAGR of 7% from 2023 to 2032.



Flexible AC Transmission System Market

“

Growing Demand for Renewable Energy Integration and Expansion of High Voltage Direct Current (HVDC) Systems are the upcoming trends of Flexible AC Transmission System Market in the world.”

Allied Market Research

□□□□□□□□ □□□ □□□□□□□□ □□□□:

<https://www.alliedmarketresearch.com/request-sample/810>

Flexible Alternating Current Transmission System (FACTS) refers to a collection of power electronic devices and systems used in electrical power transmission networks. FACTS aims to enhance the control and flexibility of AC (alternating current) power flow. These devices are strategically placed in the power grid to regulate voltage, stabilize power flow, and increase the transmission capacity of lines. By actively manipulating key parameters, such as voltage, impedance, and phase angle, FACTS

devices optimize power transmission, mitigate issues like voltage fluctuations and line congestion, and improve overall system stability and efficiency.

Flexible alternating current transmission system (FACTS) devices such as Static Var Compensators (SVC) and Static Synchronous Compensators (STATCOM), are used to regulate voltage levels and maintain voltage stability in power systems. They provide reactive power compensation and help mitigate voltage fluctuations caused by varying load conditions or disturbances in the grid. Flexible Alternating Current Transmission System (FACTS) devices such as Unified Power Flow Controllers (UPFC), Thyristor-Controlled Series Capacitors (TCSC), and Static Synchronous Series Compensators (SSSC), enable control of active and reactive power flow in transmission lines. They can adjust line impedance, improve power transfer capability, and optimize power flow distribution within the grid.

□□□ □ □□□□□□□□□□ □□□□□□□□ □□□□□□ @ <https://www.alliedmarketresearch.com/request-for-customization/810>

The flexible AC transmission systems (FACTS) market is segmented based on compensation type, controller, industry vertical, and region. Based on compensation type, the flexible AC transmission system market outlook is divided into series compensation, shunt compensation, and combined series-shunt compensation. In 2022, the series compensation segment dominated the market, in terms of revenue, and the combined series-shunt compensation segment is projected to acquire the highest CAGR from 2023 to 2032. Based on the controller, the flexible AC transmission system market forecast is segregated into synchronous compensator (STATCOM), static VAR compensator (SVC), unified power flow controller (UPFC), thyristor-controlled series compensator (TCSC), and others. The others segment acquired the largest share in 2022 and synchronous compensator (STATCOM) is expected to grow at a significant CAGR from 2023 to 2032. Based on industry vertical, the flexible AC transmission system market growth is bifurcated into oil and gas, electric utility, railways, and others. The others segment acquired the largest share in 2022 and the electric utility segment is expected to grow at a significant CAGR from 2023 to 2032.

Region-wise, the flexible AC transmission systems (FACTS) market trends are analyzed across North America (the U.S., Canada, and Mexico), Europe (UK, Germany, France, Italy, and Rest of Europe), Asia-Pacific (China, India, Japan, Australia, and Rest of Asia-Pacific), and LAMEA (Latin America, Middle East, and Africa). Asia-Pacific remains a significant participant in the flexible AC transmission systems (FACTS) market for installing flexible AC transmission lines using various flexible AC transmission system devices during the forecast period.

□□□□□□ □□□□□□ □□□□□□: <https://www.alliedmarketresearch.com/purchase-enquiry/810>

□□□ □□□□□□□□ □□ □□□ □□□□□□

- The Flexible AC Transmission System Industry has been witnessing steady growth over the years, driven by increasing demand for grid optimization, renewable energy integration, and power quality improvement. The Flexible AC Transmission System Market Size is expected to

try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2024 Newsmatics Inc. All Right Reserved.