

# **Industrial Power Monitoring Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Component (Hardware, Software, Services), By Application (Utilities & Renewables, Manufacturing & Process Industry, Datacenters, Public Infrastructure, and Others), By Region & Competition, 2021-2031F**

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## **Abstracts**

The Global Industrial Power Monitoring Market will grow from USD 7.65 Billion in 2025 to USD 10.91 Billion by 2031 at a 6.09% CAGR. The Global Industrial Power Monitoring Market comprises systems designed to continuously track and analyze electrical parameters within manufacturing facilities, ensuring energy efficiency and equipment reliability.

## **Key Market Drivers**

The rapid expansion of data centers and critical power infrastructure serves as a primary catalyst for the adoption of industrial power monitoring systems. As facilities scale to accommodate high-density computing and artificial intelligence workloads, the requirement for granular visibility into power distribution becomes critical to prevent outages and optimize load balancing. This surge necessitates capable monitoring tools to handle the unprecedented energy loads.

## **Key Market Challenges**

The high capital expense and technical complexity associated with retrofitting legacy infrastructure constitute a formidable barrier to the growth of the Global Industrial Power

Monitoring Market. Integrating modern digital monitoring solutions into aging, analog machinery often requires extensive engineering customization and significant operational downtime, resulting in prohibitive upfront costs. These financial and technical hurdles deter facility operators from updating older systems, effectively stalling the adoption of power monitoring solutions in established brownfield sites.

## **Key Market Trends**

The Integration of Artificial Intelligence and Machine Learning for Predictive Analytics is fundamentally shifting industrial power monitoring from passive data logging to an active intelligence layer capable of enhancing grid security. Unlike traditional systems that merely record consumption, these advanced AI-driven architectures identify complex volatility patterns and optimize energy security in real-time, addressing the intricate challenges of modern power infrastructure. This capability is becoming indispensable for facility operators who require robust, automated frameworks to manage the resilience of their energy networks against external disruptions.

## **Key Market Players**

Schneider Electric SE

Eaton Corporation plc

Siemens AG

General Electric Company

ABB Ltd

Honeywell International Inc.

Rockwell Automation Inc

Emerson Electric Co.

Yokogawa Electric

Mitsubishi Electric Corporation

**Report Scope:**

In this report, the Global Industrial Power Monitoring Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

**Industrial Power Monitoring Market, By Component:**

Hardware

Software

Services

**Industrial Power Monitoring Market, By Application:**

Utilities &amp; Renewables

Manufacturing &amp; Process Industry

Datacenters

Public Infrastructure

Others

**Industrial Power Monitoring Market, By Region:**

North America

United States

Canada

Mexico

Europe

France

United Kingdom

Italy

Germany

Spain

Asia Pacific

China

India

Japan

Australia

South Korea

South America

Brazil

Argentina

Colombia

Middle East & Africa

South Africa

Saudi Arabia

UAE

## **Competitive Landscape**

*Industrial Power Monitoring Market - Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented...*

Company Profiles: Detailed analysis of the major companies present in the Global Industrial Power Monitoring Market.

**Available Customizations:**

Global Industrial Power Monitoring Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

**Company Information**

Detailed analysis and profiling of additional market players (up to five).

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