

# **Motor Monitoring Market Report by Offering (Hardware, Software), Monitoring Process (Oil Analysis, Motor Current Analysis, Ultrasound, Thermography, Vibration Analysis, and Others), End Use (Oil and Gas, Energy and Power, Aerospace and Defense, Automotive, and Others), and Region 2023-2028**

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## **Abstracts**

The global motor monitoring market size reached US\$ 2.2 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 3.4 Billion by 2028, exhibiting a growth rate (CAGR) of 7.5% during 2022-2028.

Motor monitoring represents one of the predictive maintenance aspects involving thorough inspection using modern, state-of-the-art equipment. It focuses on tracking the performance of motors and minimizing downtime needed for repairs. It analyzes testing starting loads, ambient temperature, ease of testing, availability of spares, and the number of starts and stops. It assists in locating potential problems, avoiding critical unplanned downtime, ensuring efficiency, and improving plant operations.

Consequently, it finds extensive applications in the automotive, aerospace, and oil and gas industries worldwide. Nowadays, several companies are offering motor monitoring services through online platforms, which provide details about power quality and operating conditions.

Motor Monitoring Market Trends:

Electric motors are durable and efficient, require low maintenance, consume less energy, and have high endurance for fluctuating voltages. This, along with their diverse applications in domestic appliances, machine tools, and industrial fans, represents one of the major factors bolstering the market growth. Moreover, governing agencies of numerous countries are formulating stringent policies to promote the adoption of energy-

efficient products and reduce carbon emissions from various industrial verticals. This is positively influencing the demand for motors as they are environment-friendly and affordable than a fossil-fuel engine. The increasing importance of detecting potential issues in machines before their breakdown is also stimulating the market growth. Apart from this, the leading market players are introducing advanced test equipment that collects data through three voltage probes and corresponding current transformers. The data can be recorded, calculated, and interpreted for uninterrupted comparison, reporting, and trending. These innovations are creating a positive outlook for the market. Furthermore, factors like increasing utilization of motor monitoring in sports and thermal imaging are projected to drive the market.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global motor monitoring market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on offering, monitoring process and end use.

#### Breakup by Offering:

Hardware

Software

#### Breakup by Monitoring Process:

Oil Analysis

Motor Current Analysis

Ultrasound

Thermography

Vibration Analysis

Others

#### Breakup by End Use:

Oil and Gas

Energy and Power

Aerospace and Defense

Automotive

Others

#### Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea  
Australia  
Indonesia  
Others  
Europe  
Germany  
France  
United Kingdom  
Italy  
Spain  
Russia  
Others  
Latin America  
Brazil  
Mexico  
Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being AB SKF, ABB Ltd, ALS Limited, Eaton Corporation plc, Emerson Electric Co., General Electric, Honeywell International Inc, National Instruments Corp., Parker-Hannifin Corp, Rockwell Automation Inc, Schneider Electric and Siemens AG.

Key Questions Answered in This Report

1. How big is the global motor monitoring market?
2. What is the expected growth rate of the global motor monitoring market during 2023-2028?
3. What are the key factors driving the global motor monitoring market?
4. What has been the impact of COVID-19 on the global motor monitoring market?
5. What is the breakup of the global motor monitoring market based on the offering?
6. What is the breakup of the global motor monitoring market based on the monitoring process?
7. What is the breakup of the global motor monitoring market based on the end use?
8. What are the key regions in the global motor monitoring market?
9. Who are the key players/companies in the global motor monitoring market?

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