

**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 2024-2032**

Market Report | 2024-08-10 | 140 pages | IMARC Group

**AVAILABLE LICENSES:**

- Electronic (PDF) Single User \$3999.00
- Five User Licence \$4999.00
- Enterprisewide License \$5999.00

**Report description:**

The global motor monitoring market size reached US\$ 2.4 Billion in 2023. Looking forward, IMARC Group expects the market to reach US\$ 4.3 Billion by 2032, exhibiting a growth rate (CAGR) of 6.5% during 2024-2032.

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

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

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 2024-2032. 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
  - o□United States
  - o□Canada
- Asia-Pacific
  - o□China
  - o□Japan
  - o□India
  - o□South Korea
  - o□Australia
  - o□Indonesia
  - o□Others
- Europe
  - o□Germany
  - o□France
  - o□United Kingdom
  - o□Italy
  - o□Spain
  - o□Russia
  - o□Others
- Latin America

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- o Brazil
- o Mexico
- o 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 2024-2032?
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?

#### Table of Contents:

- 1 Preface
- 2 Scope and Methodology
  - 2.1 Objectives of the Study
  - 2.2 Stakeholders
  - 2.3 Data Sources
    - 2.3.1 Primary Sources
    - 2.3.2 Secondary Sources
  - 2.4 Market Estimation
    - 2.4.1 Bottom-Up Approach
    - 2.4.2 Top-Down Approach
  - 2.5 Forecasting Methodology
- 3 Executive Summary
- 4 Introduction
  - 4.1 Overview
  - 4.2 Key Industry Trends
- 5 Global Motor Monitoring Market
  - 5.1 Market Overview
  - 5.2 Market Performance
  - 5.3 Impact of COVID-19
  - 5.4 Market Forecast
- 6 Market Breakup by Offering
  - 6.1 Hardware
    - 6.1.1 Market Trends
    - 6.1.2 Market Forecast

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.2 Software
  - 6.2.1 Market Trends
  - 6.2.2 Market Forecast
- 7 Market Breakup by Monitoring Process
  - 7.1 Oil Analysis
    - 7.1.1 Market Trends
    - 7.1.2 Market Forecast
  - 7.2 Motor Current Analysis
    - 7.2.1 Market Trends
    - 7.2.2 Market Forecast
  - 7.3 Ultrasound
    - 7.3.1 Market Trends
    - 7.3.2 Market Forecast
  - 7.4 Thermography
    - 7.4.1 Market Trends
    - 7.4.2 Market Forecast
  - 7.5 Vibration Analysis
    - 7.5.1 Market Trends
    - 7.5.2 Market Forecast
  - 7.6 Others
    - 7.6.1 Market Trends
    - 7.6.2 Market Forecast
- 8 Market Breakup by End Use
  - 8.1 Oil and Gas
    - 8.1.1 Market Trends
    - 8.1.2 Market Forecast
  - 8.2 Energy and Power
    - 8.2.1 Market Trends
    - 8.2.2 Market Forecast
  - 8.3 Aerospace and Defense
    - 8.3.1 Market Trends
    - 8.3.2 Market Forecast
  - 8.4 Automotive
    - 8.4.1 Market Trends
    - 8.4.2 Market Forecast
  - 8.5 Others
    - 8.5.1 Market Trends
    - 8.5.2 Market Forecast
- 9 Market Breakup by Region
  - 9.1 North America
    - 9.1.1 United States
      - 9.1.1.1 Market Trends
      - 9.1.1.2 Market Forecast
    - 9.1.2 Canada
      - 9.1.2.1 Market Trends
      - 9.1.2.2 Market Forecast
  - 9.2 Asia-Pacific

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 9.2.1 China
  - 9.2.1.1 Market Trends
  - 9.2.1.2 Market Forecast
- 9.2.2 Japan
  - 9.2.2.1 Market Trends
  - 9.2.2.2 Market Forecast
- 9.2.3 India
  - 9.2.3.1 Market Trends
  - 9.2.3.2 Market Forecast
- 9.2.4 South Korea
  - 9.2.4.1 Market Trends
  - 9.2.4.2 Market Forecast
- 9.2.5 Australia
  - 9.2.5.1 Market Trends
  - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
  - 9.2.6.1 Market Trends
  - 9.2.6.2 Market Forecast
- 9.2.7 Others
  - 9.2.7.1 Market Trends
  - 9.2.7.2 Market Forecast
- 9.3 Europe
  - 9.3.1 Germany
    - 9.3.1.1 Market Trends
    - 9.3.1.2 Market Forecast
  - 9.3.2 France
    - 9.3.2.1 Market Trends
    - 9.3.2.2 Market Forecast
  - 9.3.3 United Kingdom
    - 9.3.3.1 Market Trends
    - 9.3.3.2 Market Forecast
  - 9.3.4 Italy
    - 9.3.4.1 Market Trends
    - 9.3.4.2 Market Forecast
  - 9.3.5 Spain
    - 9.3.5.1 Market Trends
    - 9.3.5.2 Market Forecast
  - 9.3.6 Russia
    - 9.3.6.1 Market Trends
    - 9.3.6.2 Market Forecast
  - 9.3.7 Others
    - 9.3.7.1 Market Trends
    - 9.3.7.2 Market Forecast
- 9.4 Latin America
  - 9.4.1 Brazil
    - 9.4.1.1 Market Trends
    - 9.4.1.2 Market Forecast

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 9.4.2 Mexico
  - 9.4.2.1 Market Trends
  - 9.4.2.2 Market Forecast
- 9.4.3 Others
  - 9.4.3.1 Market Trends
  - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
  - 9.5.1 Market Trends
  - 9.5.2 Market Breakup by Country
  - 9.5.3 Market Forecast
- 10 SWOT Analysis
  - 10.1 Overview
  - 10.2 Strengths
  - 10.3 Weaknesses
  - 10.4 Opportunities
  - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
  - 12.1 Overview
  - 12.2 Bargaining Power of Buyers
  - 12.3 Bargaining Power of Suppliers
  - 12.4 Degree of Competition
  - 12.5 Threat of New Entrants
  - 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
  - 14.1 Market Structure
  - 14.2 Key Players
  - 14.3 Profiles of Key Players
    - 14.3.1 AB SKF
      - 14.3.1.1 Company Overview
      - 14.3.1.2 Product Portfolio
      - 14.3.1.3 Financials
    - 14.3.2 ABB Ltd
      - 14.3.2.1 Company Overview
      - 14.3.2.2 Product Portfolio
      - 14.3.2.3 Financials
      - 14.3.2.4 SWOT Analysis
    - 14.3.3 ALS Limited
      - 14.3.3.1 Company Overview
      - 14.3.3.2 Product Portfolio
      - 14.3.3.3 Financials
      - 14.3.3.4 SWOT Analysis
    - 14.3.4 Eaton Corporation plc
      - 14.3.4.1 Company Overview
      - 14.3.4.2 Product Portfolio
      - 14.3.4.3 Financials

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

- 14.3.4.4 SWOT Analysis
- 14.3.5 Emerson Electric Co.
  - 14.3.5.1 Company Overview
  - 14.3.5.2 Product Portfolio
  - 14.3.5.3 Financials
  - 14.3.5.4 SWOT Analysis
- 14.3.6 General Electric
  - 14.3.6.1 Company Overview
  - 14.3.6.2 Product Portfolio
  - 14.3.6.3 Financials
  - 14.3.6.4 SWOT Analysis
- 14.3.7 Honeywell International Inc
  - 14.3.7.1 Company Overview
  - 14.3.7.2 Product Portfolio
  - 14.3.7.3 Financials
  - 14.3.7.4 SWOT Analysis
- 14.3.8 National Instruments Corp.
  - 14.3.8.1 Company Overview
  - 14.3.8.2 Product Portfolio
  - 14.3.8.3 Financials
  - 14.3.8.4 SWOT Analysis
- 14.3.9 Parker-Hannifin Corp
  - 14.3.9.1 Company Overview
  - 14.3.9.2 Product Portfolio
  - 14.3.9.3 Financials
  - 14.3.9.4 SWOT Analysis
- 14.3.10 Rockwell Automation Inc
  - 14.3.10.1 Company Overview
  - 14.3.10.2 Product Portfolio
  - 14.3.10.3 Financials
  - 14.3.10.4 SWOT Analysis
- 14.3.11 Schneider Electric
  - 14.3.11.1 Company Overview
  - 14.3.11.2 Product Portfolio
  - 14.3.11.3 Financials
  - 14.3.11.4 SWOT Analysis
- 14.3.12 Siemens AG
  - 14.3.12.1 Company Overview
  - 14.3.12.2 Product Portfolio
  - 14.3.12.3 Financials
  - 14.3.12.4 SWOT Analysis

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: [support@scotts-international.com](mailto:support@scotts-international.com)

[www.scotts-international.com](http://www.scotts-international.com)

**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 2024-2032**

Market Report | 2024-08-10 | 140 pages | IMARC Group

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Electronic (PDF) Single User	\$3999.00
	Five User Licence	\$4999.00
	Enterprisewide License	\$5999.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Date

2026-03-05

Signature

A large, empty rectangular box intended for a signature.

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com