

# Nano Radiation Sensor Market Report: Trends, Forecast and Competitive Analysis to 2030

<https://marketpublishers.com/r/N7053CF13891EN.html>

Date: September 2023

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: N7053CF13891EN

## Abstracts

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### Nano Radiation Sensor Market Trends and Forecast

The future of the global nano radiation sensor market looks promising with opportunities in the healthcare, consumer electronics, security and defense, oil and gas, and power plants markets. The global nano radiation sensor market is expected to reach an estimated \$0.4 billion by 2030 with a CAGR of 6.2% from 2024 to 2030. The major drivers for this market are increasing demand for energy-efficient battery-powered portable devices and growing need for radiation sensor devices in applications, like nuclear medicine and the treatment of cancer.

A more than 150-page report is developed to help in your business decisions. Sample figures with some insights are shown here.

### Nano Radiation Sensor Market by Segment

The study includes trends and forecast for the global nano radiation sensor market by type, application, and region.

Nano Radiation Sensor Market by Type [Shipment Analysis by Value from 2018 to 2030]:

Scintillation Detectors

Solid-state Detectors

## Gas-filled Detectors

Nano Radiation Sensor Market by Application [Shipment Analysis by Value from 2018 to 2030]:

Healthcare

Consumer Electronics

Security and Defense

Oil and Gas

Power Plants

Others

Nano Radiation Sensor Market by Region [Shipment Analysis by Value from 2018 to 2030]:

North America

Europe

Asia Pacific

The Rest of the World

## List of Nano Radiation Sensor Companies

Companies in the market compete on the basis of product quality offered. Major players in this market focus on expanding their manufacturing facilities, R&D investments, infrastructural development, and leverage integration opportunities across the value chain. With these strategies nano radiation sensors companies cater increasing demand, ensure competitive effectiveness, develop innovative products & technologies,

reduce production costs, and expand their customer base. Some of the nano radiation sensor companies profiled in this report include-

First Sensor

Mirion Technologies

Canon Electron Tubes & Devices

PCE Instruments

General Electric

Kromek Group

Hamamatsu Photonics

Thermo Fischer Scientific

Fluke Corporation

Nihon Kessho Kogaku

## Nano Radiation Sensor Market Insights

Lucintel forecasts that scintillation detector segment is expected to witness the highest growth over the forecast period.

Within this market, healthcare is expected to witness the highest growth.

North America is expected to witness the highest growth over the forecast period.

## Features of the Global Nano Radiation Sensor Market

Market Size Estimates: Nano radiation sensor market size estimation in terms of value (\$B).

Trend and Forecast Analysis: Market trends (2018 to 2023) and forecast (2024 to 2030)

by various segments and regions.

**Segmentation Analysis:** Nano radiation sensor market size by type, application, and region in terms of value (\$B).

**Regional Analysis:** Nano radiation sensor market breakdown by North America, Europe, Asia Pacific, and Rest of the World.

**Growth Opportunities:** Analysis of growth opportunities in different types, applications, and regions of the nano radiation sensor market.

**Strategic Analysis:** This includes M&A, new product development, and competitive landscape of the nano radiation sensor market.

Analysis of competitive intensity of the industry based on Porter's Five Forces model.

## FAQ

**Q.1** What is the nano radiation sensor market size?

**Answer:** The global nano radiation sensor market is expected to reach an estimated \$0.4 billion by 2030.

**Q.2** What is the growth forecast for nano radiation sensor market?

**Answer:** The global nano radiation sensor market is expected to grow with a cagr of 6.2% from 2024 to 2030

**Q.3** What are the major drivers influencing the growth of the nano radiation sensor market?

**Answer:** The major drivers for this market are increasing demand for energy-efficient battery-powered portable devices and growing need for radiation sensor devices in applications, like nuclear medicine and the treatment of cancer.

**Q4.** What are the major segments for nano radiation sensor market?

**Answer:** The future of the nano radiation sensor market looks promising with opportunities in the healthcare, consumer electronics, security and defense, oil and gas,

and power plant markets.

Q5. Who are the key nano radiation sensor companies?

Answer: Some of the key nano radiation sensor companies are as follows:

First Sensor

Mirion Technologies

Canon Electron Tubes & Devices

PCE Instruments

General Electric

Kromek Group

Hamamatsu Photonics

Thermo Fischer Scientific

Fluke Corporation

Nihon Kessho Kogaku

Q6. Which nano radiation sensor market segment will be the largest in future?

Answer: Lucintel forecasts that scintillation detector segment is expected to witness the highest growth over the forecast period.

Q7. In nano radiation sensor market, which region is expected to be the largest in next 5 years?

Answer: North America is expected to witness the highest growth over the forecast period.

Q.8 Do we receive customization in this report?

Answer: Yes, Lucintel provides 10% customization without any additional cost.

This report answers following 11 key questions:

Q.1. What are some of the most promising, high-growth opportunities for the nano radiation sensor market by type (scintillation detectors, solid-state detectors, and gas-filled detectors), application (healthcare, consumer electronics, security and defense, oil and gas, power plants, and others), and region (North America, Europe, Asia Pacific, and the Rest of the World)?

Q.2. Which segments will grow at a faster pace and why?

Q.3. Which region will grow at a faster pace and why?

Q.4. What are the key factors affecting market dynamics? What are the key challenges and business risks in this market?

Q.5. What are the business risks and competitive threats in this market?

Q.6. What are the emerging trends in this market and the reasons behind them?

Q.7. What are some of the changing demands of customers in the market?

Q.8. What are the new developments in the market? Which companies are leading these developments?

Q.9. Who are the major players in this market? What strategic initiatives are key players pursuing for business growth?

Q.10. What are some of the competing products in this market and how big of a threat do they pose for loss of market share by material or product substitution?

Q.11. What M&A activity has occurred in the last 5 years and what has its impact been on the industry?

For any questions related to nano radiation sensor market or related to nano radiation sensor companies, nano radiation sensor market size, nano radiation sensor market share, nano radiation sensor market growth, nano radiation sensor market research,

write Lucintel analyst at email: [helpdesk@lucintel.com](mailto:helpdesk@lucintel.com) we will be glad to get back to you soon.

## Contents

### **1. EXECUTIVE SUMMARY**

### **2. GLOBAL NANO RADIATION SENSOR MARKET : MARKET DYNAMICS**

2.1: Introduction, Background, and Classifications

2.2: Supply Chain

2.3: Industry Drivers and Challenges

### **3. MARKET TRENDS AND FORECAST ANALYSIS FROM 2018 TO 2030**

3.1. Macroeconomic Trends (2018-2023) and Forecast (2024-2030)

3.2. Global Nano Radiation Sensor Market Trends (2018-2023) and Forecast (2024-2030)

3.3: Global Nano Radiation Sensor Market by Type

3.3.1: Scintillation Detectors

3.3.2: Solid-state Detectors

3.3.3: Gas-filled Detectors

3.4: Global Nano Radiation Sensor Market by Application

3.4.1: Healthcare

3.4.2: Consumer Electronics

3.4.3: Security and Defense

3.4.4: Oil and Gas

3.4.5: Power Plants

3.4.6: Others

### **4. MARKET TRENDS AND FORECAST ANALYSIS BY REGION FROM 2018 TO 2030**

4.1: Global Nano Radiation Sensor Market by Region

4.2: North American Nano Radiation Sensor Market

4.2.1: North American Nano Radiation Sensor Market by Type: Scintillation Detectors, Solid-State Detectors, and Gas-Filled Detectors

4.2.2: North American Nano Radiation Sensor Market by Application: Healthcare, Consumer Electronics, Security and Defense, Oil and Gas, Power Plants, and Others

4.3: European Nano Radiation Sensor Market

4.3.1: European Nano Radiation Sensor Market by Type: Scintillation Detectors, Solid-State Detectors, and Gas-Filled Detectors



4.3.2: European Nano Radiation Sensor Market by Application: Healthcare, Consumer Electronics, Security and Defense, Oil and Gas, Power Plants, and Others

4.4: APAC Nano Radiation Sensor Market

4.4.1: APAC Nano Radiation Sensor Market by Type: Scintillation Detectors, Solid-State Detectors, and Gas-Filled Detectors

4.4.2: APAC Nano Radiation Sensor Market by Application: Healthcare, Consumer Electronics, Security and Defense, Oil and Gas, Power Plants, and Others

4.5: ROW Nano Radiation Sensor Market

4.5.1: ROW Nano Radiation Sensor Market by Type: Scintillation Detectors, Solid-State Detectors, and Gas-Filled Detectors

4.5.2: ROW Nano Radiation Sensor Market by Application: Healthcare, Consumer Electronics, Security and Defense, Oil and Gas, Power Plants, and Others

## **5. COMPETITOR ANALYSIS**

5.1: Product Portfolio Analysis

5.2: Operational Integration

5.3: Porter's Five Forces Analysis

## **6. GROWTH OPPORTUNITIES AND STRATEGIC ANALYSIS**

6.1: Growth Opportunity Analysis

6.1.1: Growth Opportunities for the Global Nano Radiation Sensor Market by Type

6.1.2: Growth Opportunities for the Global Nano Radiation Sensor Market by Application

6.1.3: Growth Opportunities for the Global Nano Radiation Sensor Market BY Region

6.2: Emerging Trends in the Global Nano Radiation Sensor Market

6.3: Strategic Analysis

6.3.1: New Product Development

6.3.2: Capacity Expansion of the Global Nano Radiation Sensor Market

6.3.3: Mergers, Acquisitions, and Joint Ventures in the Global Nano Radiation Sensor Market

6.3.4: Certification and Licensing

## **7. COMPANY PROFILES OF LEADING PLAYERS**

7.1: First Sensor

7.2: Mirion Technologies

7.3: Canon Electron Tubes & Devices

7.4: PCE Instruments

7.5: General Electric

7.6: Kromek Group

7.7: Hamamatsu Photonics

7.8: Thermo Fischer Scientific

7.9: Fluke Corporation

7.10: Nihon Kessho Kogaku

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