

# Global Nuclear Instrumentation Market Growth 2025-2031

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## Abstracts

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The global Nuclear Instrumentation market size is predicted to grow from US\$ 366 million in 2025 to US\$ 622 million in 2031; it is expected to grow at a CAGR of 9.2% from 2025 to 2031.

Nuclear instrumentation refers to the field of technology and equipment used for detecting, measuring, and monitoring various parameters related to nuclear processes, radiation, and nuclear materials. It involves the design, development, and application of instruments and systems that are specifically tailored for use in nuclear facilities, research laboratories, nuclear power plants, and other related industries. Nuclear instrumentation plays a crucial role in ensuring the safety, control, and monitoring of nuclear processes and facilities.

The global nuclear instrumentation market has witnessed steady growth over the years. The demand for nuclear instrumentation is driven by the expansion of nuclear power generation capacity, especially in emerging economies, and the need for robust radiation detection and monitoring solutions across various industries. The market for nuclear instrumentation is geographically diverse, with significant demand in regions such as North America, Europe, Asia-Pacific, and the Middle East. Developed economies with established nuclear power infrastructure and rigorous safety standards contribute to a substantial market share, while emerging economies are experiencing increased demand due to their growing nuclear power capacity.

LP Information, Inc. (LPI) ' newest research report, the "Nuclear Instrumentation Industry Forecast" looks at past sales and reviews total world Nuclear Instrumentation

sales in 2024, providing a comprehensive analysis by region and market sector of projected Nuclear Instrumentation sales for 2025 through 2031. With Nuclear Instrumentation sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Nuclear Instrumentation industry.

This Insight Report provides a comprehensive analysis of the global Nuclear Instrumentation landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Nuclear Instrumentation portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Nuclear Instrumentation market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Nuclear Instrumentation and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Nuclear Instrumentation.

This report presents a comprehensive overview, market shares, and growth opportunities of Nuclear Instrumentation market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

Radiation Detector

Spectrometer

Personal Radiation Monitoring

Area and Environmental Monitoring

Nuclear Power Plant Instrumentation

Others

### Segmentation by Application:

Nuclear Power Plant

Oil and Gas

Mining

Others

### This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Hitachi

Framatome

Lockheed Martin Energy

Mirion Technologies

Ultra Energy

Nucleonix Systems

Reuter-Stokes

InstroTek

Seaman Nuclear

Bertin Instruments

AVANTech

AMETEK

Ludlum Measurements

Photonis

RMD

### Key Questions Addressed in this Report

What is the 10-year outlook for the global Nuclear Instrumentation market?

What factors are driving Nuclear Instrumentation market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Nuclear Instrumentation market opportunities vary by end market size?

How does Nuclear Instrumentation break out by Type, by Application?

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