Global Radiation Detection Market 2016 Share, Trend, Segmentation and Forecast to 2020

Radiation Detection Market to Reach $2.3 billion with 7.3% CAGR to 2022

PUNE, INDIA, July 14, 2016 /EINPresswire.com/ -- The Global market for Radiation Detection, Monitoring & Safety is expected to reach $2.3 billion by the end of 2020 growing at a CAGR of around 7.3% from 2014 to 2020. Radiation detection is the process of measurement of number of radioactive particles reaching the body. Radiation detectors are used to calculate the amount of radiation and they have the following properties viz. energy resolution, spatial resolution, sensitivity and counting speed. The factors that control the amount of radiation received are time, distance and shielding. Reducing the time of exposure reduces the effective dose proportionally. Increasing the distance between source and the body reduces the intake of dose. Shielding refers to a mass of absorbing material placed near the source to reduce the radiation levels. The radiation protection instruments are divided as installed instruments and portable instruments. Installed instruments are fixed in the area of radiation source while portable instruments can be carried depending upon the place of radiation source.

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The Global Radiation Detection, Monitoring & Safety Market is segmented on the basis of Type of Detectors (Ionization Chambers, Geiger Counters, Proportional Counters, Semiconductor Detectors, Scintillation Detectors and Radiation Dosimeters [Film Badge Dosimeters, Quartz Fiber Dosimeters, Solid State Dosimeters and Thermoluminescent Dosimeters]), Applications (Hand Protection, Face Protection and Full Body Protection) and Region (North America, Europe, Asia Pacific and Rest of the World).

Drivers

Rise in the incidences of chronic diseases leading to increase in diagnostic procedures, increase in the number of radiation therapy procedures, innovations in the field of nuclear medicine and demand for radiation based diagnostic procedures due to pain-free technology are some of the factors augmenting the market growth.

Challenges

Lack of skilled professional to handle radiation related procedures and stringent FDA safety

regulations regarding use of radiation are hampering the growth of the market.

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What the report offers:
Market Definition for the specified topic along with identification of key drivers and restraints for the market.
Market analysis for the Global Radiation Detection, Monitoring & Safety Market, with region specific assessments and competition analysis on a global and regional scale.
Identification of factors instrumental in changing the market scenarios, rising prospective opportunities and identification of key companies which can influence the market on a global and regional scale.
Extensively researched competitive landscape section with profiles of major companies along with their strategic initiatives and market shares.
Identification and analysis of the Macro and Micro factors that affect the Global Radiation Detection, Monitoring & Safety Market on both global and regional scale.
A comprehensive list of key market players along with the analysis of their current strategic interests and key financial information.

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