

Radiation Monitoring and Safety Market by Product (Photomultiplier Tube, Silicon Photomultiplier, Avalanche Photodiode), & by Application (Healthcare, Biotechnology, Homeland Security, Automotive, Academic Research) - Analysis & Global Forecast to 2020

<https://marketpublishers.com/r/R775865CFADEN.html>

Date: March 2016

Pages: 183

Price: US\$ 5,650.00 (Single User License)

ID: R775865CFADEN

Abstracts

The scope of the study is confined to photomultiplier tubes (PMTs), silicon photomultipliers (SiPMs), and others (PIN photodiodes and avalanche photodiodes); hence, the market size is estimated only for the abovementioned product segments.

The radiation monitoring and safety market is projected to reach USD 652.8 million by 2020 from USD 512.1 million in 2015, at a CAGR of 5.0% in the next five years (2015 to 2020).

The radiation monitoring and safety market is undergoing a significant transformation, with the changing landscapes of healthcare, nuclear power plants, homeland security and defense, and manufacturing industries. The growth of this market is majorly influenced by the dynamics of these industries.

Growing safety concerns post the Fukushima disaster, technological advancements, growing security threats, growing security budgets of global sporting events, increasing incidence of cancer, growth in the number of PET/CT scans, and growing threat of nuclear terrorism are some factors expected to drive the growth of the global radiation monitoring and safety market in the coming years.

On the other hand, factors such as shortage of a nuclear power workforce worldwide

and nuclear power phase-out in some European countries are expected to restrain the growth of the market. However, the increase in the number of nuclear power plants in India and Pacific countries, growing focus on clean and reliable electricity generation in China, and the decision of the Japanese government to reverse its nuclear power phase-out are posing lucrative opportunities for the radiation monitoring and safety market.

In 2015, the photomultiplier tubes segment is expected to account for the largest share of the radiation monitoring and safety market, by product, while the healthcare segment is expected to account for the largest share of radiation monitoring and safety market, by application.

In 2015, North America is expected to account for the largest share of the global radiation monitoring and safety market, followed by Europe, Asia-Pacific, and the Rest of the World (RoW). North America's large share is attributed to the increasing prevalence of cancer, rising adoption of nuclear imaging systems, government initiatives, the increase in the number of nuclear power plants in the U.S., growing security concerns, and the rising number of conferences. In the coming years, the radiation monitoring and safety market is expected to witness the highest growth in the Asia-Pacific region, with emphasis on India, China, and Japan. This can be attributed to factors such as high spending on homeland security in Asia, Japan's decision to continue with the use of nuclear power, high growth expected in China's nuclear power industry, presence of global and local players in the Chinese market, increasing number of nuclear power plants in India, and increasing installations of nuclear imaging systems in India.

The market witnesses high competitive intensity, as there are several big and many small firms with similar product offerings. These companies adopt various strategies (agreements, partnerships, collaboration, expansion, new product launches, and acquisition) to increase their market shares and establish a strong foothold in the global market.

Reasons to Buy the Report:

The report will enrich both established firms as well as new entrants/smaller firms to gauge the pulse of the market, which in turn helps firms to garner a greater market share. Firms purchasing the report could use any one or a combination of the below-mentioned five strategies (market penetration, product development/innovation, market development, market diversification, and competitive assessment) for strengthening

their market shares.

The report provides insights on the following pointers:

Market Penetration: Comprehensive information on the products and services offered by top players in the radiation monitoring and safety market. The report analyzes the radiation monitoring and safety market by product and application.

Product Development/Innovation: Detailed insights on upcoming technologies, research and development activities, and new product launches in the radiation monitoring and safety market

Market Development: Comprehensive information about lucrative emerging markets. The report analyzes the markets for radiation monitoring and safety across regions

Market Diversification: Exhaustive information about new products, untapped regions, recent developments, and investments in the radiation monitoring and safety market

Competitive Assessment: In-depth assessment of market shares, strategies, products, and distribution networks of the leading players in the radiation monitoring and safety market

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF STUDY
- 1.2 MARKET DEFINITION
- 1.3 MARKET SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY
- 1.5 LIMITATIONS
- 1.6 STAKEHOLDERS

2 RESEARCH METHODOLOGY

- 2.1 RESEARCH METHODOLOGY STEPS
- 2.2 SECONDARY AND PRIMARY RESEARCH METHODOLOGY
 - 2.2.1 SECONDARY RESEARCH
 - 2.2.2 PRIMARY RESEARCH
 - 2.2.2.1 Key data from primary sources
 - 2.2.2.2 Key Insights from primary sources
 - 2.2.2.3 Key industry insights
- 2.3 MARKET SIZE ESTIMATION METHODOLOGY
- 2.4 RESEARCH DESIGN
- 2.5 MARKET DATA VALIDATION AND TRIANGULATION
- 2.6 ASSUMPTIONS FOR THE STUDY

3 EXECUTIVE SUMMARY

- 3.1 INTRODUCTION
- 3.2 CURRENT AND FUTURE SCENARIO
- 3.3 KEY GROWTH STRATEGIES

4 PREMIUM INSIGHTS

- 4.1 GLOBAL RADIATION MONITORING AND SAFETY MARKET OVERVIEW
- 4.2 GEOGRAPHIC ANALYSIS: RADIATION MONITORING AND SAFETY MARKET, BY PRODUCT
- 4.3 GEOGRAPHIC SNAPSHOT: RADIATION MONITORING AND SAFETY MARKET

4.4 GLOBAL RADIATION MONITORING AND SAFETY MARKET, BY APPLICATION (2015 VS. 2020)

5 MARKET OVERVIEW

5.1 INTRODUCTION

5.2 MARKET SEGMENTATION

5.3 MARKET DYNAMICS

5.3.1 DRIVERS

5.3.1.1 Growing safety concerns post the Fukushima disaster

5.3.1.2 Technological advancements in radiation monitoring systems

5.3.1.3 Growing security threats to drive radiation monitoring market for homeland security

5.3.1.4 Growing security budgets of global sporting events

5.3.1.5 Increasing incidence of cancer

5.3.1.6 Growth in the number of PET/CT Scans

5.3.1.7 Growing threat of nuclear terrorism

5.3.1.8 Use of drones for radiation monitoring

5.3.2 RESTRAINTS

5.3.2.1 Shortage in nuclear power workforce

5.3.2.2 Nuclear power phase-out in some European countries

5.3.3 OPPORTUNITIES

5.3.3.1 Proposed increase in number of nuclear power plants

5.3.3.2 Decision of the Japanese government to reverse its nuclear phase-out plan

5.3.3.3 Rising focus on nuclear power in India to meet energy demands

5.3.3.4 Growing focus on clean and reliable source of electricity generation in China

5.3.3.5 Introduction of nuclear power in pacific countries

5.3.4 THREATS

5.3.4.1 Substitutes such as renewable energy

6 RADIATION MONITORING AND SAFETY MARKET, BY PRODUCT

6.1 INTRODUCTION

6.2 PHOTOMULTIPLIER TUBES (PMT)

6.2.1.1 Organic Scintillators

6.2.1.2 Inorganic (Gas) Scintillators

6.3 SILICON PHOTOMULTIPLIERS (SIPM)

6.3.1.1 Inorganic Scintillators

6.3.1.2 Organic Scintillators

6.4 OTHERS

7 GLOBAL RADIATION MONITORING AND SAFETY MARKET, BY APPLICATION

7.1 INTRODUCTION

7.2 HEALTHCARE

7.3 HOMELAND SECURITY AND DEFENSE

7.4 BIOTECHNOLOGY

7.5 AUTOMOTIVE INDUSTRY

7.6 ACADEMIC RESEARCH AND HIGH-ENERGY PHYSICS

7.7 OTHERS

8 GLOBAL RADIATION MONITORING AND SAFETY MARKET, BY REGION

8.1 INTRODUCTION

8.2 NORTH AMERICA

8.2.1 U.S.

8.2.1.1 Increased adoption of nuclear imaging systems

8.2.1.2 Government initiatives and increase in the number of nuclear power plants in the U.S.

8.2.1.3 Conferences to help professionals exchange knowledge

8.2.1.4 Growing security concerns to boost the SIPMs market

8.2.2 CANADA

8.2.2.1 Rise in public private funding to spur the SIPM market

8.2.2.2 Increasing adoption of nuclear imaging systems

8.3 EUROPE

8.3.1 GROWING RESEARCH ACTIVITIES IN EUROPE

8.3.2 FRANCE AND RUSSIA TO LEAD THE GROWTH OF THE EUROPEAN NUCLEAR INDUSTRY

8.3.3 INCREASING PARTNERSHIPS FOR THE CONSTRUCTION OF NUCLEAR POWER PLANTS

8.3.4 EU5

8.3.4.1 Security concerns driving the silicon photomultiplier tubes market in Europe

8.3.4.2 Nuclear power industry in Europe stabilizing post the Fukushima disaster

8.3.4.3 Increasing adoption of nuclear imaging systems/equipment to catapult the PMT & SIPM market

8.3.4.4 Favorable funding scenario in Germany

8.3.4.5 Increasing number of PET-CT procedures and investments on PET/CT scanners in the U.K.

8.3.5 REST OF EUROPE (ROE)

8.3.5.1 Conferences & symposia hosted in Europe to drive the radiation monitoring and safety market

8.4 ASIA-PACIFIC

8.4.1 HEIGHTENED SPENDING ON HOMELAND SECURITY IN ASIA

8.4.2 JAPAN'S DECISION TO CONTINUE WITH THE USE OF NUCLEAR POWER

8.4.3 HIGH GROWTH EXPECTED IN CHINA'S NUCLEAR POWER INDUSTRY

8.4.4 PRESENCE OF GLOBAL AND LOCAL PLAYERS IN THE CHINESE MARKET

8.4.5 INCREASING NUMBER OF NUCLEAR POWER PLANTS IN INDIA

8.4.6 INCREASING INSTALLATIONS OF NUCLEAR IMAGING SYSTEMS IN INDIA

8.5 REST OF THE WORLD (ROW)

8.5.1 SOUTH AFRICA'S STRONG COMMITMENT TO ADOPTING NUCLEAR POWER

8.5.2 HOMELAND SECURITY TO DRIVE THE SILICON PHOTOMULTIPLIER MARKET IN THE ROW REGION

8.5.3 FAVORABLE REIMBURSEMENT SCENARIO IN BRAZIL

8.5.4 DEVELOPMENT OF NEW AIRPORTS IN LATIN AMERICA

8.5.5 INCREASING NUMBER OF NUCLEAR POWER PLANTS IN THE MIDDLE EAST

9 COMPETITIVE LANDSCAPE

9.1 OVERVIEW

9.1.1 INTRODUCTION

9.2 MARKET SHARE ANALYSIS

9.2.1 HAMAMATSU PHOTONICS K.K.

9.2.2 SENSL TECHNOLOGIES

9.3 COMPETITIVE SITUATION AND TRENDS

9.3.1 NEW PRODUCT LAUNCHES

9.3.2 AGREEMENTS

9.3.3 EXPANSIONS

9.3.4 OTHER DEVELOPMENTS

9.4 EMPIRICAL ASSESMENT OF GROWTH STRATEGIES

9.4.1 ROUTE TO GROWTH: ORGANIC VS. INORGANIC STRATEGIES

9.4.1.1 Organic Growth Strategies

9.4.1.2 Inorganic Growth Strategies

10 COMPANY PROFILES

(Overview, Financials, Products & Services, Strategy, & Developments)*

10.1 INTRODUCTION

10.2 HAMAMATSU PHOTONICS K.K.

10.3 SENSL TECHNOLOGIES

10.4 KETEK GMBH

10.5 ADVANSID

10.6 EXCELITAS TECHNOLOGIES CORPORATION

10.7 FIRST SENSOR AG

10.8 HAINAN ZHANCHUANG PHOTONICS TECHNOLOGY CO., LTD.

10.9 LUDLUM MEASUREMENTS, INC.

10.10 PHILIPS HEALTHCARE

10.11 RADIATION MONITORING DEVICES, INC. (A DYNASIL COMPANY)

*Details on Financials, Product & Services, Strategy, & Developments might not be captured in case of unlisted companies.

11 APPENDIX

11.1 DISCUSSION GUIDE

11.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL

11.3 INTRODUCING RT: REAL-TIME MARKET INTELLIGENCE

11.4 AVAILABLE CUSTOMIZATIONS

11.5 RELATED REPORTS

List Of Tables

LIST OF TABLES

Table 1 INCREASED SAFETY CONCERNS AT NUCLEAR FACILITIES AND THREAT OF NUCLEAR TERRORISM ARE THE MAJOR DRIVERS FOR RADIATION MONITORING AND SAFETY MARKET

Table 2 SHORTAGE IN NUCLEAR POWER WORKFORCE RESTRAINING THE GROWTH OF THE NUCLEAR INDUSTRY AND THE RADIATION MONITORING AND SAFETY MARKET

Table 3 INCREASING NUMBER OF NUCLEAR POWER PLANTS TO OFFER SIGNIFICANT GROWTH OPPORTUNITIES FOR MARKET PLAYERS

Table 4 COMPARATIVE ASSESSMENT OF DETECTORS

Table 5 RADIATION MONITORING AND SAFETY MARKET SIZE, BY PRODUCT, 2013–2020 (USD MILLION)

Table 6 RESEARCH PROJECTS AND ACTIVITIES

Table 7 PHOTOMULTIPLIER TUBES MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 8 PHOTOMULTIPLIER TUBES MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 9 NORTH AMERICA: PHOTOMULTIPLIER TUBE MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 10 U.S.: PHOTOMULTIPLIER TUBE MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 11 CANADA: PHOTOMULTIPLIER TUBE MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 12 EUROPE: PHOTOMULTIPLIER TUBE MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 13 NORTH AMERICA: PHOTOMULTIPLIER TUBE MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 14 SILICON PHOTOMULTIPLIERS MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 15 SILICON PHOTOMULTIPLIER MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 16 NORTH AMERICA: SILICON PHOTOMULTIPLIER MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 17 EUROPE: SILICON PHOTOMULTIPLIER MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 18 NORTH AMERICA: SILICON PHOTOMULTIPLIER MARKET SIZE, BY

APPLICATION, 2013–2020 (USD MILLION)

Table 19 U.S.: SILICON PHOTOMULTIPLIER MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 20 CANADA: SILICON PHOTOMULTIPLIER MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 21 OTHER DETECTORS MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 22 OTHER DETECTORS MARKET SIZE, BY TYPE, 2013–2020 (USD MILLION)

Table 23 NORTH AMERICA: OTHER DETECTORS MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 24 EUROPE: OTHER DETECTORS MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 25 NORTH AMERICA: OTHER DETECTORS MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 26 U.S.: OTHER DETECTORS MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 27 CANADA: OTHER DETECTORS MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 28 RADIATION MONITORING AND SAFETY MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 29 RADIATION MONITORING AND SAFETY MARKET SIZE FOR HEALTHCARE, BY REGION, 2013–2020 (USD MILLION)

Table 30 RADIATION MONITORING AND SAFETY MARKET SIZE FOR HOMELAND SECURITY, BY REGION, 2013–2020 (USD MILLION)

Table 31 RADIATION MONITORING AND SAFETY MARKET SIZE FOR BIOTECHNOLOGY, BY REGION, 2013–2020 (USD MILLION)

Table 32 RADIATION MONITORING AND SAFETY MARKET SIZE FOR AUTOMOTIVE INDUSTRY, BY REGION, 2013–2020 (USD MILLION)

Table 33 EXPERIMENTS CONDUCTED IN HIGH-ENERGY PHYSICS USING PMT BY HAMAMATSU

Table 34 RADIATION MONITORING AND SAFETY MARKET SIZE FOR ACADEMIC RESEARCH & HIGH-ENERGY PHYSICS, BY REGION, 2013–2020 (USD MILLION)

Table 35 PROJECTS AND ACTIVITIES

Table 36 RADIATION MONITORING AND SAFETY MARKET SIZE FOR OTHER APPLICATIONS, BY REGION, 2013–2020 (USD MILLION)

Table 37 RADIATION MONITORING AND SAFETY MARKET SIZE, BY REGION, 2013–2020 (USD MILLION)

Table 38 NORTH AMERICA: RADIATION MONITORING AND SAFETY MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 39 NORTH AMERICA: RADIATION MONITORING AND SAFETY MARKET SIZE, BY PRODUCT, 2013–2020 (USD MILLION)

Table 40 NORTH AMERICA: RADIATION MONITORING AND SAFETY MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 41 U.S.: RADIATION MONITORING AND SAFETY MARKET SIZE, BY PRODUCT, 2013–2020 (USD MILLION)

Table 42 U.S.: RADIATION MONITORING AND SAFETY MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 43 CANADA: RADIATION MONITORING AND SAFETY MARKET SIZE, BY PRODUCT, 2013–2020 (USD MILLION)

Table 44 CANADA: RADIATION MONITORING AND SAFETY MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 45 EUROPE: RADIATION MONITORING AND SAFETY MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 46 EUROPE: RADIATION MONITORING AND SAFETY MARKET SIZE, BY PRODUCT, 2013–2020 (USD MILLION)

Table 47 EUROPE: RADIATION MONITORING AND SAFETY MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 48 EUROPE: PHOTOMULTIPLIER TUBE MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 49 EUROPE: SILICON PHOTOMULTIPLIER MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 50 EUROPE: OTHER DETECTORS MARKET SIZE, BY APPLICATION 2013–2020 (USD MILLION)

Table 51 EU5: RADIATION MONITORING AND SAFETY MARKET SIZE, BY PRODUCT, 2013–2020 (USD MILLION)

Table 52 EU5: RADIATION MONITORING AND SAFETY MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 53 EU5: PHOTOMULTIPLIER TUBE MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 54 EU5: SILICON PHOTOMULTIPLIER MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 55 EU5: OTHER DETECTORS MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 56 CONFERENCES, SYMPOSIA, & WORKSHOPS HOSTED IN EUROPE (2013-2015)

Table 57 ROE: RADIATION MONITORING AND SAFETY MARKET SIZE, BY PRODUCT, 2013–2020 (USD MILLION)

Table 58 ROE: RADIATION MONITORING AND SAFETY MARKET SIZE, BY

APPLICATION, 2013–2020 (USD MILLION)

Table 59 ROE: PHOTOMULTIPLIER TUBE MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 60 ROE: SILICON PHOTOMULTIPLIER MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 61 ROE: OTHER DETECTORS MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 62 ASIA-PACIFIC: RADIATION MONITORING AND SAFETY MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 63 ASIA-PACIFIC: RADIATION MONITORING AND SAFETY MARKET SIZE, BY PRODUCT, 2013–2020 (USD MILLION)

Table 64 ASIA-PACIFIC: RADIATION MONITORING AND SAFETY MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 65 ROW: RADIATION MONITORING AND SAFETY MARKET SIZE, BY COUNTRY, 2013–2020 (USD MILLION)

Table 66 MAJOR AIRPORT CONSTRUCTION PROJECTS AT EXISTING AIRPORTS IN LATIN AMERICA

Table 67 ROW: RADIATION MONITORING AND SAFETY MARKET SIZE, BY PRODUCT, 2013–2020 (USD MILLION)

Table 68 ROW: RADIATION MONITORING AND SAFETY MARKET SIZE, BY APPLICATION, 2013–2020 (USD MILLION)

Table 69 NEW PRODUCT LAUNCHES, 2013–2016

Table 70 AGREEMENTS, 2013–2016

Table 71 EXPANSIONS, 2013–2016

Table 72 OTHER DEVELOPMENTS, 2013–2016

List Of Figures

LIST OF FIGURES

Figure 1 GLOBAL RADAITION MONITORING AND SAFETY MARKET: RESEARCH METHODOLOGY STEPS

Figure 2 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION, AND REGION

Figure 3 PRIMARY RESEARCH: SAMPLING FRAME

Figure 4 PRIMARY RESEARCH - CURRENT SAMPLING FRAME

Figure 5 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH

Figure 6 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH

Figure 7 DATA TRIANGULATION METHODOLOGY

Figure 8 COMPARATIVE ASSESSMENT OF GLOBAL PMT AND SIPM MARKET (2015-2020)

Figure 9 SILICON PHOTOMULTIPLIERS MARKET TO WITNESS THE HIGHEST CAGR FROM 2015 TO 2020

Figure 10 HEALTHCARE SEGMENT TO WITNESS HIGHEST CAGR DURING THE FORECAST PERIOD (2015-2020)

Figure 11 ASIA-PACIFIC TO WITNESS THE HIGHEST MARKET GROWTH DURING THE FORECAST PERIOD (2015-2020)

Figure 12 GROWING SAFETY CONCERNS AND TECHNOLOGICAL ADVANCEMENTS DRIVING THE MARKET GROWTH

Figure 13 PHOTOMULTIPLIER TUBES SEGMENT DOMINATES THE RADIATION MONITORING AND SAFETY MARKET IN 2015

Figure 14 ASIA-PACIFIC MARKET TO WITNESS THE HIGHEST GROWTH RATE DURING THE FORECAST PERIOD

Figure 15 HEALTHCARE SEGMENT COMMANDS THE LARGEST SHARE IN 2015

Figure 16 RADIATION MONITORING AND SAFETY MARKET SEGMENTATION

Figure 17 RADIATION MONITORING AND SAFETY MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, & THREATS

Figure 18 GLOBAL RADIATION MONITORING AND SAFETY MARKET, BY PRODUCT

Figure 19 SILICON PHOTOMULTIPLIERS SEGMENT TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 20 GLOBAL RADIATION MONITORING AND SAFETY MARKET, BY APPLICATION

Figure 21 HEALTHCARE SEGMENT TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

Figure 22 NORTH AMERICA EXPECTED TO COMMAND THE LARGEST MARKET SIZE OF THE GLOBAL RADIATION MONITORING AND SAFETY MARKET IN 2015

Figure 23 NORTH AMERICA: MARKET SNAPSHOT

Figure 24 GROWING CANCER PREVALENCE, A MAJOR DRIVER OF THE PHOTOMULTIPLIER TUBES MARKET

Figure 25 EUROPE: MARKET SNAPSHOT

Figure 26 ASIA-PACIFIC: MARKET SNAPSHOT

Figure 27 ROW: MARKET SNAPSHOT

Figure 28 GLOBAL PHOTOMULTIPLIER TUBE MARKET, BY COMPANY, 2015

Figure 29 GLOBAL SILICON PHOTOMULTIPLIER MARKET, BY COMPANY, 2015

Figure 30 NEW PRODUCT LAUNCHES WAS THE KEY STRATEGIC DEVELOPMENT ADOPTED BY PLAYERS IN THE PMT AND SIPM MARKET (2013-2016)

Figure 31 NEW PRODUCT LAUNCHES, BY COMPANY

Figure 32 AGREEMENTS, BY COMPANY

Figure 33 EXPANSIONS, BY COMPANY

Figure 34 OTHER DEVELOPMENTS, BY COMPANY

Figure 35 ORGANIC AND INORGANIC GROWTH STRATEGIES ADOPTED BY KEY PLAYERS

Figure 36 ORGANIC GROWTH STRATEGIES, BY KEY PLAYER (2013-2016)

Figure 37 KEY ORGANIC GROWTH STRATEGIES, 2013-2016

Figure 38 INORGANIC GROWTH STRATEGIES, BY KEY PLAYER (2013-2016)

Figure 39 KEY INORGANIC GROWTH STRATEGIES, 2013-2016

Figure 40 GEOGRAPHICAL REVENUE MIX OF SOME OF THE PROMINENT PLAYERS IN THE RADIATION MONITORING & SAFETY MARKET

Figure 41 HAMAMATSU PHOTONICS K.K.: COMPANY SNAPSHOT

Figure 42 FIRST SENSOR AG: COMPANY SNAPSHOT

Figure 43 PHILIPS HEALTHCARE: COMPANY SNAPSHOT

Figure 44 DYNASIL CORPORATION OF AMERICA: COMPANY SNAPSHOT

I would like to order

Product name: Radiation Monitoring and Safety Market by Product (Photomultiplier Tube, Silicon Photomultiplier, Avalanche Photodiode), & by Application (Healthcare, Biotechnology, Homeland Security, Automotive, Academic Research) - Analysis & Global Forecast to 2020

Product link: <https://marketpublishers.com/r/R775865CFADEN.html>

Price: US\$ 5,650.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/R775865CFADEN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:

Last name:

Email:

Company:

Address:

City:

Zip code:

Country:

Tel:

Fax:

Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970