

# Nuclear Robot Market

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## Abstracts

LEXINGTON, Massachusetts (September 16, 2013) – WinterGreen Research announces that it has a new study on Nuclear Response Robots. The 2013 study has 503 pages, 184 tables and figures. Worldwide markets are poised to achieve significant growth as automated process is put in place to provide nuclear power capability worldwide. These responder robots are evolving a new core technology in which all participants in the industry and in governments worldwide must invest.

We all know the story, “Let me go I am old,” the very very brave man who went into the melted down nuclear facility in Japan, pushing his younger colleagues out of the way of harm.

Nuclear response robots are being built out so the nuclear industry can build out devices that leverage rapid safe response. Well, now is the time to use robots in this nuclear industry.

According to Susan Eustis, lead author of the team that put the study together, “Until now, robot technology has not been robust enough to reasonably supplement human tasks in handling of nuclear situations. That is no longer the case, robots have sufficient mobility, size, sensors, and tooling to be effective in a variety of situations.” Nuclear response robots are anticipated to have significant market growth as people in the industry begin to recognize the value of automated process in dealing with radiation.

Nuclear responder robots are mobile automated process platforms that are responsive to nuclear handling needs. They are emerging in the context of globalization and nuclear energy development. Nuclear robots are inherently local, they are used locally at nuclear energy installations and for materials handling where the materials may be radioactive. They are needed by personnel in particularly dangerous situations. Nuclear responder robots are evolving as specially designed ground robots used to address

nuclear and defense needs to support managing radioactive materials.

Nuclear response robot market shares and market forecast analysis considers that the targeted robots have a new market based on robotic advances in size, mobility, sensors, and materials handling devices.

The move from a primary delivery with a cost structure that accounts for truck rolls to a portable device market is set to bring dramatic changes to the industry. For vendors that have relied on the distribution network and financing the distribution network, their hold on the market has shifted.

Nuclear responder robot markets at \$55 million in 2012 are anticipated to reach \$1.1 billion dollars by 2019. Growth is a result of new interest in introducing automated process into nuclear markets.

WinterGreen Research is an independent research organization funded by the sale of market research studies all over the world and by the implementation of ROI models that are used to calculate the total cost of ownership of equipment, services, and software. The company has 35 distributors worldwide, including Global Information Info Shop, Market Research.com, Research and Markets, electronics.ca, Bloomberg, and Thompson Financial.

WinterGreen Research is positioned to help customers facing challenges that define the modern enterprises. The increasingly global nature of science, technology and engineering is a reflection of the implementation of the globally integrated enterprise. Customers trust wintergreen research to work alongside them to ensure the success of the participation in a particular market segment.

WinterGreen Research supports various market segment programs; provides trusted technical services to the marketing departments. It carries out accurate market share and forecast analysis services for a range of commercial and government customers globally. These are all vital market research support solutions requiring trust and integrity.

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## About

This is the 564th report in a series of primary market research reports that provide forecasts in communications, telecommunications, the Internet, computer, software, telephone equipment, health equipment, and energy. Automated process and significant growth potential are a priority in topic selection.

The project leaders take direct responsibility for writing and preparing each report. They have significant experience preparing industry studies. They are supported by a team, each person with specific research tasks and proprietary automated process database analytics. Forecasts are based on primary research and proprietary data bases.

The primary research is conducted by talking to customers, distributors and companies. The survey data is not enough to make accurate assessment of market size, so WinterGreen Research looks at the value of shipments and the average price to achieve market assessments. Our track record in achieving accuracy is unsurpassed in the industry. We are known for being able to develop accurate market shares and projections.

The analyst process is concentrated on getting good market numbers. This process involves looking at the markets from several different perspectives, including vendor shipments. The interview process is an essential aspect as well. We do have a lot of granular analysis of the different shipments by vendor in the study and addenda prepared after the study was published if that is appropriate.

Forecasts reflect analysis of the market trends in the segment and related segments. Unit and dollar shipments are analyzed through consideration of dollar volume of each market participant in the segment.

Installed base analysis and unit analysis is based on interviews and an information search. Market share analysis includes conversations with key customers of products, industry segment leaders, marketing directors, distributors, leading market participants, opinion leaders, and companies seeking to develop measurable market share.

Over 200 in depth interviews are conducted for each report with a broad range of key participants and industry leaders in the market segment. We establish accurate market forecasts based on economic and market conditions as a base. Use input/output ratios, flow charts, and other economic methods to quantify data. Use in-house analysts who

meet stringent quality standards.

Interviewing key industry participants, experts and end-users is a central part of the study. Our research includes access to large proprietary databases. Literature search includes analysis of trade publications, government reports, and corporate literature.

Findings and conclusions of this report are based on information gathered from industry sources, including manufacturers, distributors, partners, opinion leaders, and users. Interview data was combined with information gathered through an extensive review of internet and printed sources such as trade publications, trade associations, company literature, and online databases. The projections contained in this report are checked from top down and bottom up analysis to be sure there is congruence from that perspective.

The base year for analysis and projection is 2011. With 2011 and several years prior to that as a baseline, market projections were developed for 2012 through 2018. These projections are based on a combination of a consensus among the opinion leader contacts interviewed combined with understanding of the key market drivers and their impact from a historical and analytical perspective.

The analytical methodologies used to generate the market estimates are based on penetration analyses, similar market analyses, and delta calculations to supplement independent and dependent variable analysis. All analyses are displaying selected descriptions of products and services.

This research includes referencde to an ROI model that is part of a series that provides IT systems financial planners access to information that supports analysis of all the numbers that impact management of a product launch or large and complex data center. The methodology used in the models relates to having a sophisticated analytical technique for understanding the impact of workload on processor consumption and cost.

WinterGreen Research has looked at the metrics and independent research to develop assumptions that reflect the actual anticipated usage and cost of systems. Comparative analyses reflect the input of these values into models.

The variables and assumptions provided in the market research study and the ROI models are based on extensive experience in providing research to large enterprise organizations and data centers. The ROI models have lists of servers from different

manufacturers, Systems z models from IBM, and labor costs by category around the world. This information has been developed from WinterGreen research proprietary data bases constructed as a result of preparing market research studies that address the software, energy, healthcare, telecommunications, and hardware businesses.

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