The Global Military Radar Market 2014-2024

Report Price: US$4,800 (Single User)
1 Global Military Radar Market Size and Drivers

1.1 Military Radar Market Size and Forecast 2014–2024

1.1.1 Global Military Radar systems market to show positive growth during the forecast period

The global military radar market is estimated to be valued at US$XX billion in 2014. The market consists of four categories of radar systems: ground-based, naval, airborne, and space-based. The value of the market is expected to increase marginally at a CAGR of XX% during the forecast period, to reach US$XX billion by 2024. Airborne radar systems are expected to account for XX% of the global radar market, followed by ground-based radars with a XX% share. The naval radar systems account for XX% of the market while the remaining XX% is for space-based radar systems. During the forecast period, cumulative global expenditure on radar systems is expected to reach US$XX billion.

The chart below shows the expected Military Radar market value during 2014–2024:

**Figure 1: Global Military Radar Market (US$ Billion), 2014–2024**

Source: SDI analysis © SDI
1.2 Global Military Radar Market – Regional Analysis

1.2.1 North America dominates the global military radar market

Continuous improvements in Radio Frequency technology, as well as the ever growing need for means of early identification have been driving various countries to invest in the radar market. Currently, with radars being an integral part of most of the prominent defense equipment such as aircraft, helicopters, naval vessels, armored vehicles, as well as UAVs, growth in these segments is boosting the growth of radars across the globe. The US, with its aim to retain technological superiority, is likely to maintain its leading position in the global radar market in the future; driving the North American region to account for the largest proportion of the total global expenditure on military radars. High demand in the region is primarily driven by the Air and Missile Defense Radar (AMDR) program, the Three Dimensional Expeditionary Long Range Radar (3DELRR) program, the Space Fence program, procurement of AN/TPS-59, AN/TPS-63, and AN/TPS-80 radar systems, and the Acoustic Rapid COTS Insertion (A-RCI) program. The Asia Pacific and Europe are also expected to account for a significant proportion of the total global military radar market during the forecast period, with shares of XX% and XX% respectively, which will largely be driven by the efforts of countries such as India, China, and Russia to modernize their armed forces. The Middle East, Latin America, and Africa will account for XX%, XX%, and XX% of global military radar expenditure respectively.

The table below gives a brief overview of the Military Radar market:

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<tbody>
<tr>
<td>North America</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
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<tr>
<td>Asia-Pacific</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
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<tr>
<td>Europe</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
</tr>
<tr>
<td>Middle East</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
</tr>
<tr>
<td>Latin America</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
</tr>
<tr>
<td>Africa</td>
<td>US$XX million</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
</tr>
<tr>
<td>Total Military Radar Market</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
</tr>
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Source: SDI analysis © SDI
## 2 SWOT Analysis of the Military Radar Market

<table>
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<tr>
<th>Strengths</th>
<th>Weaknesses</th>
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<th>Opportunities</th>
<th>Threats</th>
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Source: SDI analysis © SDI
3 Country Analysis – Military Radar

3.1 United States Market Size and Forecast 2014–2024

The US, the world’s largest radar market, is expected to continue to create robust demand for advanced radar systems over the forecast period. The US military radar market, valued at US$XX billion in 2014, is expected to increase at a CAGR of XX%, to record US$XX billion by 2024. The growth in the market is primarily attributed to the mounting threats faced by resurgent Russia, the rising military might of China, the emergence of ISIS, and now disintegrated Al-Qaida post the Iraq and Afghanistan wars. Looming threats from North Korea and Iran, due to their growing nuclear capabilities, are also expected to bolster the US DoD’s plans of deploying early-warning radar systems and missile interceptors in order to track any missile launched from adversaries. Additionally, the need for maintenance, engineering, logistic support services, and software upgrades will also lead to a growth of the US military radar market. The next generation of radar technologies such as AESA, dual band radars, military cloaking technology, un-jammable imaging systems, magnetostrictive smart material for sensors, and Video Synthetic Aperture Radar (ViSAR), are expected to drive the US radar market over the forecast period.

The US DoD is expected to spend a combined US$XX billion on the Air and Missile Defense Radar (AMDR) program, Three Dimensional Expeditionary Long Range Radar (3DELRR) program, and the Space Fence program over the forecast period. The US Navy’s AMDR program, also called the Dual Band Radar (DBR), aims to integrate X-band and S-band radars and connect them to the combat system via a single interface. Design goals of DBR are to enable destroyers to operate in high clutter littoral areas, provide ships with automated self-defense abilities, and advanced electronic protection capabilities. While the 3DELRR program will provide long range surveillance and ballistic missile detection, the Space Fence program is expected to track objects in space which the current radar systems are unable to track. Cumulatively, the government is expected to spend US$XX billion on military radar systems during the forecast period.
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The table below gives a brief overview of the US Military Radar market:

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<tbody>
<tr>
<td>Airborne</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
</tr>
<tr>
<td>Ground-based</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
</tr>
<tr>
<td>Naval</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
</tr>
<tr>
<td>Space-based</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
</tr>
<tr>
<td>Total Military Radar Market</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>US$XX billion</td>
<td>XX%</td>
</tr>
</tbody>
</table>

Source: SDI analysis © SDI

The chart below shows the Military Radar market size in the US between 2014 and 2024:

Figure 2: Military Radar Market in the US (US$ Billion), 2014–2024

Source: SDI analysis © SDI
The following chart shows the category break-up of the Military Radar market in the US from 2014–2024:

Figure 3: Military Radar Market by Category in the US (%), 2014–2024

Source: SDI analysis © SDI
Report Methodology

Strategic Defense Intelligence (SDI) dedicated research and analysis teams consist of experienced professionals with a background in industry research and consulting in the defense sector. The market size is derived by consolidating ongoing procurement programs, modernization initiatives, and future procurement plans, utilizing information gathered through primary and secondary sources. Forecasting is conducted based on the lifetime of current inventory levels, suitability/need of the weapon category for a specific country, budget availability, and opinion of leading industry experts. The following research methodology is followed for all databases and reports.

Secondary Research

The research process begins with exhaustive secondary research to source reliable qualitative and quantitative information related to the global Military Radar market. The secondary research sources that are typically referred to include, but are not limited to:

- Globally renowned think tanks
- Industry associations
- National government documents and statistical databases
- Company websites, annual reports, financial reports, broker reports, and investor presentations
- Industry trade journals and other literature
- Internal and external proprietary databases
- News articles, press releases, and webcasts specific to the companies operating in the market

Primary Research

SDI conducts hundreds of primary interviews a year with industry participants and commentators in order to validate its data and analysis. A typical research interview fulfills the following functions:

- Provides first-hand information on market size, market trends, growth trends, competitive landscape, and future outlook.
- Helps to validate and strengthen secondary research findings.
- Further develops the analyses team’s expertise and market understanding.

The participants who typically take part in such a process include, but are not limited to:

- Industry participants: CEOs, VPs, business development managers, market intelligence managers, and national sales managers.
- External experts: investment bankers, valuation experts, research analysts, and key opinion leaders specializing in defense markets.
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Conventions

- Currency conversions are performed on the basis of average annual conversion rate format calculations.
- All the values in tables, with the exception of compounded annual growth rate (CAGR) and compounded annual rate of change (CARC) are displayed to one decimal place. Growth rates may, therefore, appear inconsistent with absolute values due to this rounding method.

Related Reports

- The Global Military Simulation and Virtual Training Market 2014–2024
- The Global Military IT, Data and Computing Market 2014–2024
- The Global Military GPS/GNSS Market 2013–2023
- The Global Military Ammunition Market 2013–2023
- The Global Man-Portable Military Electronics Market 2013–2023
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