

Global ARPA Radar Market Research Report 2024(Status and Outlook)

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Abstracts

Report Overview

ARPA (Automatic Radar Plotting Aid) radar systems play a crucial role in maritime navigation by providing real-time information on the position, speed, and course of vessels in the vicinity. These systems enhance situational awareness, improve collision avoidance, and contribute to overall maritime safety. The ARPA radar market is positioned at the intersection of technology and safety within the maritime industry.

The current market size for ARPA radar systems in 2023 stands at approximately USD 120 million. With a projected Compound Annual Growth Rate (CAGR) of 4.75% from 2024 to 2032, the market is expected to reach USD 180 million by the end of the forecast period. This growth can be attributed to the increasing adoption of advanced navigation technologies, regulatory requirements for vessel safety systems, and the rising emphasis on maritime security.

Several key growth drivers propel the ARPA radar market forward. Firstly, the implementation of stringent regulations by maritime authorities mandating the use of radar systems for collision avoidance and safe navigation significantly boosts market demand. Secondly, the growing trend towards autonomous shipping and the integration of AI-powered features in ARPA radar systems are driving market expansion. Lastly, the rising global trade activities and the need for efficient port operations are fueling the demand for advanced radar technologies.

One notable trend in the ARPA radar market is the integration of Artificial Intelligence (AI) and machine learning algorithms to enhance radar performance. These technologies enable predictive analytics, anomaly detection, and adaptive decision-

making capabilities, thereby improving the overall efficiency and accuracy of radar systems. For example, AI-powered ARPA radars can predict potential collision risks more accurately and provide early warnings to vessel operators, thereby reducing the likelihood of accidents at sea.

Another trend shaping the market is the increasing focus on environmental sustainability and energy efficiency in maritime operations. ARPA radar manufacturers are developing eco-friendly radar systems that consume less power while maintaining high performance standards. This trend aligns with the broader industry shift towards sustainable practices and regulatory compliance with environmental standards.

In terms of regional market distribution, leading markets for ARPA radar systems include North America, Europe, and Asia Pacific. North America dominates the market due to the presence of key players, stringent maritime regulations, and a high concentration of commercial ports. Europe follows closely, driven by the strong maritime heritage of countries like Norway, the Netherlands, and the UK. Asia Pacific is a rapidly growing market fueled by increasing maritime trade activities, infrastructure development, and government initiatives to enhance maritime safety.

Key challenges facing the ARPA radar market include the high initial investment costs associated with advanced radar systems, interoperability issues with existing navigation equipment onboard vessels, and the need for continuous training of maritime personnel to effectively utilize ARPA radar technology. Overcoming these challenges requires collaboration between industry stakeholders, investment in R&D for innovative solutions, and ongoing training programs to enhance operational efficiency and safety standards in maritime navigation.

This report provides a deep insight into the global ARPA Radar market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global ARPA Radar Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the

competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the ARPA Radar market in any manner.

Global ARPA Radar Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Koden electronics

JRC Europe

GEM Elettronica

Kongsberg Maritime

Sperry Marine

Raytheon Ansch?tz

Alphatron Marine

Kelvin Hughes

MI Simulators

Navis USA

Sea Hawk Navigation

Futuno

THUNDSEA

Nantong Saiyang Electronics

Market Segmentation (by Type)

X-Band ARPA Radar

S-Band ARPA Radar

L-Band ARPA Radar

Market Segmentation (by Application)

Marine Navigation

Weather Monitoring

Military Surveillance

Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

- Industry drivers, restraints, and opportunities covered in the study
- Neutral perspective on the market performance
- Recent industry trends and developments
- Competitive landscape & strategies of key players
- Potential & niche segments and regions exhibiting promising growth covered
- Historical, current, and projected market size, in terms of value
- In-depth analysis of the ARPA Radar Market
- Overview of the regional outlook of the ARPA Radar Market:

Key Reasons to Buy this Report:

- Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
- This enables you to anticipate market changes to remain ahead of your competitors
- You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents
- The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly
- Provision of market value (USD Billion) data for each segment and sub-segment
- Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the

ARPA Radar Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 10 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 11 provides a quantitative analysis of the market size and development potential of each market segment (product type and application) in the next five years.

Chapter 12 is the main points and conclusions of the report.

Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of ARPA Radar

1.2 Key Market Segments

1.2.1 ARPA Radar Segment by Type

1.2.2 ARPA Radar Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 ARPA RADAR MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global ARPA Radar Market Size (M USD) Estimates and Forecasts (2019-2032)

2.1.2 Global ARPA Radar Sales Estimates and Forecasts (2019-2032)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

2.4 Macroeconomic Analysis

3 ARPA RADAR MARKET COMPETITIVE LANDSCAPE

3.1 Global ARPA Radar Sales by Manufacturers (2019-2024)

3.2 Global ARPA Radar Revenue Market Share by Manufacturers (2019-2024)

3.3 ARPA Radar Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.4 Global ARPA Radar Average Price by Manufacturers (2019-2024)

3.5 Manufacturers ARPA Radar Sales Sites, Area Served, Product Type

3.6 ARPA Radar Market Competitive Situation and Trends

3.6.1 ARPA Radar Market Concentration Rate

3.6.2 Global 5 and 10 Largest ARPA Radar Players Market Share by Revenue

3.6.3 Mergers & Acquisitions, Expansion

4 ARPA RADAR INDUSTRY CHAIN ANALYSIS

4.1 ARPA Radar Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF ARPA RADAR MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Market Restraints

5.5 Industry News

5.5.1 New Product Developments

5.5.2 Mergers & Acquisitions

5.5.3 Expansions

5.5.4 Collaboration/Supply Contracts

5.6 Industry Policies

6 ARPA RADAR MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global ARPA Radar Sales Market Share by Type (2019-2024)

6.3 Global ARPA Radar Market Size Market Share by Type (2019-2024)

6.4 Global ARPA Radar Price by Type (2019-2024)

7 ARPA RADAR MARKET SEGMENTATION BY APPLICATION

7.1 Evaluation Matrix of Segment Market Development Potential (Application)

7.2 Global ARPA Radar Market Sales by Application (2019-2024)

7.3 Global ARPA Radar Market Size (M USD) by Application (2019-2024)

7.4 Global ARPA Radar Sales Growth Rate by Application (2019-2024)

8 ARPA RADAR MARKET SALES BY REGION

8.1 Global ARPA Radar Sales by Region

8.1.1 Global ARPA Radar Sales by Region

8.1.2 Global ARPA Radar Sales Market Share by Region

8.2 Global ARPA Radar Market Size by Region

8.2.1 Global ARPA Radar Market Size by Region

8.2.2 Global ARPA Radar Market Size Market Share by Region

8.3 North America

8.3.1 North America ARPA Radar Sales by Country

8.3.2 North America ARPA Radar Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe ARPA Radar Sales by Country

8.4.2 Europe ARPA Radar Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Russia Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific ARPA Radar Sales by Region

8.5.2 China

8.5.3 Japan

8.5.4 South Korea

8.5.5 India

8.5.6 Southeast Asia

8.6 Asia Pacific

8.6.1 Asia Pacific ARPA Radar Market Size by Region

8.6.2 Asia Pacific ARPA Radar Market Size by Region

8.6.3 China

8.6.4 Japan

8.6.5 South Korea

8.6.6 India

8.6.7 Southeast Asia

8.7 South America

8.7.1 South America ARPA Radar Sales by Country

8.7.2 South America ARPA Radar Market Size by Country

8.7.3 Brazil

8.7.4 Argentina

8.7.5 Columbia

8.8 Middle East and Africa

8.8.1 Middle East and Africa ARPA Radar Sales by Region

8.8.2 Middle East and Africa ARPA Radar Market Size by Region

8.8.3 Saudi Arabia

- 8.8.4 UAE
- 8.8.5 Egypt
- 8.8.6 Nigeria
- 8.8.7 South Africa

9 ARPA RADAR MARKET PRODUCTION BY REGION

- 9.1 Global Production of ARPA Radar by Region (2019-2024)
- 9.2 Global ARPA Radar Revenue Market Share by Region (2019-2024)
- 9.3 Global ARPA Radar Production, Revenue, Price and Gross Margin (2019-2024)
- 9.4 North America ARPA Radar Production
 - 9.4.1 North America ARPA Radar Production Growth Rate (2019-2024)
 - 9.4.2 North America ARPA Radar Production, Revenue, Price and Gross Margin (2019-2024)
- 9.5 Europe ARPA Radar Production
 - 9.5.1 Europe ARPA Radar Production Growth Rate (2019-2024)
 - 9.5.2 Europe ARPA Radar Production, Revenue, Price and Gross Margin (2019-2024)
- 9.6 Japan ARPA Radar Production (2019-2024)
 - 9.6.1 Japan ARPA Radar Production Growth Rate (2019-2024)
 - 9.6.2 Japan ARPA Radar Production, Revenue, Price and Gross Margin (2019-2024)
- 9.7 China ARPA Radar Production (2019-2024)
 - 9.7.1 China ARPA Radar Production Growth Rate (2019-2024)
 - 9.7.2 China ARPA Radar Production, Revenue, Price and Gross Margin (2019-2024)

10 KEY COMPANIES PROFILE

- 10.1 Koden electronics
 - 10.1.1 Koden electronics ARPA Radar Basic Information
 - 10.1.2 Koden electronics ARPA Radar Product Overview
 - 10.1.3 Koden electronics ARPA Radar Product Market Performance
 - 10.1.4 Koden electronics Business Overview
 - 10.1.5 Koden electronics ARPA Radar SWOT Analysis
 - 10.1.6 Koden electronics Recent Developments
- 10.2 JRC Europe
 - 10.2.1 JRC Europe ARPA Radar Basic Information
 - 10.2.2 JRC Europe ARPA Radar Product Overview
 - 10.2.3 JRC Europe ARPA Radar Product Market Performance
 - 10.2.4 JRC Europe Business Overview
 - 10.2.5 JRC Europe ARPA Radar SWOT Analysis

- 10.2.6 JRC Europe Recent Developments
- 10.3 GEM Elettronica
 - 10.3.1 GEM Elettronica ARPA Radar Basic Information
 - 10.3.2 GEM Elettronica ARPA Radar Product Overview
 - 10.3.3 GEM Elettronica ARPA Radar Product Market Performance
 - 10.3.4 GEM Elettronica ARPA Radar SWOT Analysis
 - 10.3.5 GEM Elettronica Business Overview
 - 10.3.6 GEM Elettronica Recent Developments
- 10.4 Kongsberg Maritime
 - 10.4.1 Kongsberg Maritime ARPA Radar Basic Information
 - 10.4.2 Kongsberg Maritime ARPA Radar Product Overview
 - 10.4.3 Kongsberg Maritime ARPA Radar Product Market Performance
 - 10.4.4 Kongsberg Maritime Business Overview
 - 10.4.5 Kongsberg Maritime Recent Developments
- 10.5 Sperry Marine
 - 10.5.1 Sperry Marine ARPA Radar Basic Information
 - 10.5.2 Sperry Marine ARPA Radar Product Overview
 - 10.5.3 Sperry Marine ARPA Radar Product Market Performance
 - 10.5.4 Sperry Marine Business Overview
 - 10.5.5 Sperry Marine Recent Developments
- 10.6 Raytheon Ansch?tz
 - 10.6.1 Raytheon Ansch?tz ARPA Radar Basic Information
 - 10.6.2 Raytheon Ansch?tz ARPA Radar Product Overview
 - 10.6.3 Raytheon Ansch?tz ARPA Radar Product Market Performance
 - 10.6.4 Raytheon Ansch?tz Business Overview
 - 10.6.5 Raytheon Ansch?tz Recent Developments
- 10.7 Alphasat Marine
 - 10.7.1 Alphasat Marine ARPA Radar Basic Information
 - 10.7.2 Alphasat Marine ARPA Radar Product Overview
 - 10.7.3 Alphasat Marine ARPA Radar Product Market Performance
 - 10.7.4 Alphasat Marine Business Overview
 - 10.7.5 Alphasat Marine Recent Developments
- 10.8 Kelvin Hughes
 - 10.8.1 Kelvin Hughes ARPA Radar Basic Information
 - 10.8.2 Kelvin Hughes ARPA Radar Product Overview
 - 10.8.3 Kelvin Hughes ARPA Radar Product Market Performance
 - 10.8.4 Kelvin Hughes Business Overview
 - 10.8.5 Kelvin Hughes Recent Developments
- 10.9 MI Simulators

- 10.9.1 MI Simulators ARPA Radar Basic Information
- 10.9.2 MI Simulators ARPA Radar Product Overview
- 10.9.3 MI Simulators ARPA Radar Product Market Performance
- 10.9.4 MI Simulators Business Overview
- 10.9.5 MI Simulators Recent Developments
- 10.10 Navis USA
 - 10.10.1 Navis USA ARPA Radar Basic Information
 - 10.10.2 Navis USA ARPA Radar Product Overview
 - 10.10.3 Navis USA ARPA Radar Product Market Performance
 - 10.10.4 Navis USA Business Overview
 - 10.10.5 Navis USA Recent Developments
- 10.11 Sea Hawk Navigation
 - 10.11.1 Sea Hawk Navigation ARPA Radar Basic Information
 - 10.11.2 Sea Hawk Navigation ARPA Radar Product Overview
 - 10.11.3 Sea Hawk Navigation ARPA Radar Product Market Performance
 - 10.11.4 Sea Hawk Navigation Business Overview
 - 10.11.5 Sea Hawk Navigation Recent Developments
- 10.12 Futuno
 - 10.12.1 Futuno ARPA Radar Basic Information
 - 10.12.2 Futuno ARPA Radar Product Overview
 - 10.12.3 Futuno ARPA Radar Product Market Performance
 - 10.12.4 Futuno Business Overview
 - 10.12.5 Futuno Recent Developments
- 10.13 THUNDSEA
 - 10.13.1 THUNDSEA ARPA Radar Basic Information
 - 10.13.2 THUNDSEA ARPA Radar Product Overview
 - 10.13.3 THUNDSEA ARPA Radar Product Market Performance
 - 10.13.4 THUNDSEA Business Overview
 - 10.13.5 THUNDSEA Recent Developments
- 10.14 Nantong Saiyang Electronics
 - 10.14.1 Nantong Saiyang Electronics ARPA Radar Basic Information
 - 10.14.2 Nantong Saiyang Electronics ARPA Radar Product Overview
 - 10.14.3 Nantong Saiyang Electronics ARPA Radar Product Market Performance
 - 10.14.4 Nantong Saiyang Electronics Business Overview
 - 10.14.5 Nantong Saiyang Electronics Recent Developments

11 ARPA RADAR MARKET FORECAST BY REGION

11.1 Global ARPA Radar Market Size Forecast

11.2 Global ARPA Radar Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe ARPA Radar Market Size Forecast by Country

11.2.3 Asia Pacific ARPA Radar Market Size Forecast by Region

11.2.4 South America ARPA Radar Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of ARPA Radar by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2025-2032)

12.1 Global ARPA Radar Market Forecast by Type (2025-2032)

12.1.1 Global Forecasted Sales of ARPA Radar by Type (2025-2032)

12.1.2 Global ARPA Radar Market Size Forecast by Type (2025-2032)

12.1.3 Global Forecasted Price of ARPA Radar by Type (2025-2032)

12.2 Global ARPA Radar Market Forecast by Application (2025-2032)

12.2.1 Global ARPA Radar Sales (K Units) Forecast by Application

12.2.2 Global ARPA Radar Market Size (M USD) Forecast by Application (2025-2032)

13 CONCLUSION AND KEY FINDINGS

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