

Global Class A AIS Transponders Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global Class A AIS Transponders market size was valued at USD 38 million in 2023 and is forecast to a readjusted size of USD 51 million by 2030 with a CAGR of 4.3% during review period.

Class A AIS (Automatic Identification System) transponders are advanced and mandatory maritime communication devices used on larger vessels, typically those subject to the International Maritime Organization (IMO) regulations. Unlike Class B AIS, which is commonly used on smaller vessels, Class A AIS is designed for vessels that have a higher level of mandatory equipment and reporting requirements. Class A AIS transponders provide comprehensive information about a vessel's identity, navigation status, and voyage-related details.

Market Drivers: International Maritime Regulations (SOLAS): The International Maritime Organization (IMO) mandates the use of Class A AIS transponders for vessels subject to the Safety of Life at Sea (SOLAS) Convention. This regulatory requirement acts as a significant driver for the adoption of Class A AIS transponders.

Enhanced Maritime Safety: Class A AIS transponders play a crucial role in enhancing maritime safety by providing comprehensive and real-time information about a vessel's identity, position, course, speed, and navigational status. This data aids in collision avoidance and improves situational awareness for both the vessel and nearby ships.

Global Navigation Standards: As vessels traverse international waters, the adoption of standardized communication systems, such as Class A AIS, ensures consistent and reliable exchange of information. This contributes to global navigation standards and

interoperability among vessels.

Integration with Navigation Systems: Class A AIS transponders are designed to integrate with other navigation systems and electronic chart displays, providing a holistic view of the maritime environment. Integration with modern navigation technologies supports efficient and safe vessel operations.

Growing Maritime Traffic: The increasing volume of maritime traffic, including large commercial vessels and passenger ships, drives the demand for Class A AIS transponders. These transponders are crucial for managing vessel movements and mitigating collision risks in busy waterways.

Market Restrictions:

Cost of Implementation: The initial cost of purchasing and installing Class A AIS transponders can be relatively high. This cost may pose a restriction for some vessel operators, particularly those with budget constraints, such as smaller vessels that are not subject to SOLAS regulations.

Regulatory Compliance Challenges: While regulatory compliance drives adoption, it can also present challenges for vessel operators in terms of understanding and adhering to evolving international maritime regulations. Compliance-related complexities may act as a restriction for certain operators.

Limited Applicability for Smaller Vessels: Class A AIS transponders are designed for larger vessels subject to SOLAS requirements. Smaller vessels that do not fall under these regulations may find Class A transponders to be excessive for their needs, leading to limited applicability.

The Global Info Research report includes an overview of the development of the Class A AIS Transponders industry chain, the market status of Tankers (With Display, Without Display), Tugs (With Display, Without Display), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Class A AIS Transponders.

Regionally, the report analyzes the Class A AIS Transponders markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Class A AIS Transponders market, with robust domestic demand, supportive

policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the Class A AIS Transponders market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Class A AIS Transponders industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., With Display, Without Display).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Class A AIS Transponders market.

Regional Analysis: The report involves examining the Class A AIS Transponders market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the Class A AIS Transponders market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Class A AIS Transponders:

Company Analysis: Report covers individual Class A AIS Transponders manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards Class A AIS Transponders This may involve surveys, interviews, and

analysis of consumer reviews and feedback from different by Application (Tankers, Tugs).

Technology Analysis: Report covers specific technologies relevant to Class A AIS Transponders. It assesses the current state, advancements, and potential future developments in Class A AIS Transponders areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Class A AIS Transponders market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

Class A AIS Transponders market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

With Display

Without Display

Market segment by Application

Tankers

Tugs

Cargo Carriers

Others

Major players covered

SRT Marine

Alltek Marine

Furuno

Navico

Japan Radio Company

Comnav Marine

True Heading

Kongsberg Gruppen ASA

SAAB AB

Raymarine

Weatherdock AG

Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Class A AIS Transponders product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Class A AIS Transponders, with price, sales, revenue and global market share of Class A AIS Transponders from 2019 to 2024.

Chapter 3, the Class A AIS Transponders competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Class A AIS Transponders breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Class A AIS Transponders market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Class A AIS Transponders.

Chapter 14 and 15, to describe Class A AIS Transponders sales channel, distributors, customers, research findings and conclusion.

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope of Class A AIS Transponders

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Class A AIS Transponders Consumption Value by Type: 2019 Versus 2023 Versus 2030

1.3.2 With Display

1.3.3 Without Display

1.4 Market Analysis by Application

1.4.1 Overview: Global Class A AIS Transponders Consumption Value by Application: 2019 Versus 2023 Versus 2030

1.4.2 Tankers

1.4.3 Tugs

1.4.4 Cargo Carriers

1.4.5 Others

1.5 Global Class A AIS Transponders Market Size & Forecast

1.5.1 Global Class A AIS Transponders Consumption Value (2019 & 2023 & 2030)

1.5.2 Global Class A AIS Transponders Sales Quantity (2019-2030)

1.5.3 Global Class A AIS Transponders Average Price (2019-2030)

2 MANUFACTURERS PROFILES

2.1 SRT Marine

2.1.1 SRT Marine Details

2.1.2 SRT Marine Major Business

2.1.3 SRT Marine Class A AIS Transponders Product and Services

2.1.4 SRT Marine Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.1.5 SRT Marine Recent Developments/Updates

2.2 Alltek Marine

2.2.1 Alltek Marine Details

2.2.2 Alltek Marine Major Business

2.2.3 Alltek Marine Class A AIS Transponders Product and Services

2.2.4 Alltek Marine Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.2.5 Alltek Marine Recent Developments/Updates

2.3 Furuno

2.3.1 Furuno Details

2.3.2 Furuno Major Business

2.3.3 Furuno Class A AIS Transponders Product and Services

2.3.4 Furuno Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.3.5 Furuno Recent Developments/Updates

2.4 Navico

2.4.1 Navico Details

2.4.2 Navico Major Business

2.4.3 Navico Class A AIS Transponders Product and Services

2.4.4 Navico Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.4.5 Navico Recent Developments/Updates

2.5 Japan Radio Company

2.5.1 Japan Radio Company Details

2.5.2 Japan Radio Company Major Business

2.5.3 Japan Radio Company Class A AIS Transponders Product and Services

2.5.4 Japan Radio Company Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.5.5 Japan Radio Company Recent Developments/Updates

2.6 Comnav Marine

2.6.1 Comnav Marine Details

2.6.2 Comnav Marine Major Business

2.6.3 Comnav Marine Class A AIS Transponders Product and Services

2.6.4 Comnav Marine Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.6.5 Comnav Marine Recent Developments/Updates

2.7 True Heading

2.7.1 True Heading Details

2.7.2 True Heading Major Business

2.7.3 True Heading Class A AIS Transponders Product and Services

2.7.4 True Heading Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.7.5 True Heading Recent Developments/Updates

2.8 Kongsberg Gruppen ASA

2.8.1 Kongsberg Gruppen ASA Details

2.8.2 Kongsberg Gruppen ASA Major Business

2.8.3 Kongsberg Gruppen ASA Class A AIS Transponders Product and Services

2.8.4 Kongsberg Gruppen ASA Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.8.5 Kongsberg Gruppen ASA Recent Developments/Updates

2.9 SAAB AB

2.9.1 SAAB AB Details

2.9.2 SAAB AB Major Business

2.9.3 SAAB AB Class A AIS Transponders Product and Services

2.9.4 SAAB AB Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.9.5 SAAB AB Recent Developments/Updates

2.10 Raymarine

2.10.1 Raymarine Details

2.10.2 Raymarine Major Business

2.10.3 Raymarine Class A AIS Transponders Product and Services

2.10.4 Raymarine Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.10.5 Raymarine Recent Developments/Updates

2.11 Weatherdock AG

2.11.1 Weatherdock AG Details

2.11.2 Weatherdock AG Major Business

2.11.3 Weatherdock AG Class A AIS Transponders Product and Services

2.11.4 Weatherdock AG Class A AIS Transponders Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2019-2024)

2.11.5 Weatherdock AG Recent Developments/Updates

3 COMPETITIVE ENVIRONMENT: CLASS A AIS TRANSPONDERS BY MANUFACTURER

3.1 Global Class A AIS Transponders Sales Quantity by Manufacturer (2019-2024)

3.2 Global Class A AIS Transponders Revenue by Manufacturer (2019-2024)

3.3 Global Class A AIS Transponders Average Price by Manufacturer (2019-2024)

3.4 Market Share Analysis (2023)

3.4.1 Producer Shipments of Class A AIS Transponders by Manufacturer Revenue (\$MM) and Market Share (%): 2023

3.4.2 Top 3 Class A AIS Transponders Manufacturer Market Share in 2023

3.4.2 Top 6 Class A AIS Transponders Manufacturer Market Share in 2023

3.5 Class A AIS Transponders Market: Overall Company Footprint Analysis

3.5.1 Class A AIS Transponders Market: Region Footprint

3.5.2 Class A AIS Transponders Market: Company Product Type Footprint

- 3.5.3 Class A AIS Transponders Market: Company Product Application Footprint
- 3.6 New Market Entrants and Barriers to Market Entry
- 3.7 Mergers, Acquisition, Agreements, and Collaborations

4 CONSUMPTION ANALYSIS BY REGION

- 4.1 Global Class A AIS Transponders Market Size by Region
 - 4.1.1 Global Class A AIS Transponders Sales Quantity by Region (2019-2030)
 - 4.1.2 Global Class A AIS Transponders Consumption Value by Region (2019-2030)
 - 4.1.3 Global Class A AIS Transponders Average Price by Region (2019-2030)
- 4.2 North America Class A AIS Transponders Consumption Value (2019-2030)
- 4.3 Europe Class A AIS Transponders Consumption Value (2019-2030)
- 4.4 Asia-Pacific Class A AIS Transponders Consumption Value (2019-2030)
- 4.5 South America Class A AIS Transponders Consumption Value (2019-2030)
- 4.6 Middle East and Africa Class A AIS Transponders Consumption Value (2019-2030)

5 MARKET SEGMENT BY TYPE

- 5.1 Global Class A AIS Transponders Sales Quantity by Type (2019-2030)
- 5.2 Global Class A AIS Transponders Consumption Value by Type (2019-2030)
- 5.3 Global Class A AIS Transponders Average Price by Type (2019-2030)

6 MARKET SEGMENT BY APPLICATION

- 6.1 Global Class A AIS Transponders Sales Quantity by Application (2019-2030)
- 6.2 Global Class A AIS Transponders Consumption Value by Application (2019-2030)
- 6.3 Global Class A AIS Transponders Average Price by Application (2019-2030)

7 NORTH AMERICA

- 7.1 North America Class A AIS Transponders Sales Quantity by Type (2019-2030)
- 7.2 North America Class A AIS Transponders Sales Quantity by Application (2019-2030)
- 7.3 North America Class A AIS Transponders Market Size by Country
 - 7.3.1 North America Class A AIS Transponders Sales Quantity by Country (2019-2030)
 - 7.3.2 North America Class A AIS Transponders Consumption Value by Country (2019-2030)
 - 7.3.3 United States Market Size and Forecast (2019-2030)

7.3.4 Canada Market Size and Forecast (2019-2030)

7.3.5 Mexico Market Size and Forecast (2019-2030)

8 EUROPE

8.1 Europe Class A AIS Transponders Sales Quantity by Type (2019-2030)

8.2 Europe Class A AIS Transponders Sales Quantity by Application (2019-2030)

8.3 Europe Class A AIS Transponders Market Size by Country

8.3.1 Europe Class A AIS Transponders Sales Quantity by Country (2019-2030)

8.3.2 Europe Class A AIS Transponders Consumption Value by Country (2019-2030)

8.3.3 Germany Market Size and Forecast (2019-2030)

8.3.4 France Market Size and Forecast (2019-2030)

8.3.5 United Kingdom Market Size and Forecast (2019-2030)

8.3.6 Russia Market Size and Forecast (2019-2030)

8.3.7 Italy Market Size and Forecast (2019-2030)

9 ASIA-PACIFIC

9.1 Asia-Pacific Class A AIS Transponders Sales Quantity by Type (2019-2030)

9.2 Asia-Pacific Class A AIS Transponders Sales Quantity by Application (2019-2030)

9.3 Asia-Pacific Class A AIS Transponders Market Size by Region

9.3.1 Asia-Pacific Class A AIS Transponders Sales Quantity by Region (2019-2030)

9.3.2 Asia-Pacific Class A AIS Transponders Consumption Value by Region
(2019-2030)

9.3.3 China Market Size and Forecast (2019-2030)

9.3.4 Japan Market Size and Forecast (2019-2030)

9.3.5 Korea Market Size and Forecast (2019-2030)

9.3.6 India Market Size and Forecast (2019-2030)

9.3.7 Southeast Asia Market Size and Forecast (2019-2030)

9.3.8 Australia Market Size and Forecast (2019-2030)

10 SOUTH AMERICA

10.1 South America Class A AIS Transponders Sales Quantity by Type (2019-2030)

10.2 South America Class A AIS Transponders Sales Quantity by Application
(2019-2030)

10.3 South America Class A AIS Transponders Market Size by Country

10.3.1 South America Class A AIS Transponders Sales Quantity by Country
(2019-2030)

10.3.2 South America Class A AIS Transponders Consumption Value by Country
(2019-2030)

10.3.3 Brazil Market Size and Forecast (2019-2030)

10.3.4 Argentina Market Size and Forecast (2019-2030)

11 MIDDLE EAST & AFRICA

11.1 Middle East & Africa Class A AIS Transponders Sales Quantity by Type
(2019-2030)

11.2 Middle East & Africa Class A AIS Transponders Sales Quantity by Application
(2019-2030)

11.3 Middle East & Africa Class A AIS Transponders Market Size by Country

11.3.1 Middle East & Africa Class A AIS Transponders Sales Quantity by Country
(2019-2030)

11.3.2 Middle East & Africa Class A AIS Transponders Consumption Value by Country
(2019-2030)

11.3.3 Turkey Market Size and Forecast (2019-2030)

11.3.4 Egypt Market Size and Forecast (2019-2030)

11.3.5 Saudi Arabia Market Size and Forecast (2019-2030)

11.3.6 South Africa Market Size and Forecast (2019-2030)

12 MARKET DYNAMICS

12.1 Class A AIS Transponders Market Drivers

12.2 Class A AIS Transponders Market Restraints

12.3 Class A AIS Transponders Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

13 RAW MATERIAL AND INDUSTRY CHAIN

13.1 Raw Material of Class A AIS Transponders and Key Manufacturers

13.2 Manufacturing Costs Percentage of Class A AIS Transponders

13.3 Class A AIS Transponders Production Process

13.4 Class A AIS Transponders Industrial Chain

14 SHIPMENTS BY DISTRIBUTION CHANNEL

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Class A AIS Transponders Typical Distributors

14.3 Class A AIS Transponders Typical Customers

15 RESEARCH FINDINGS AND CONCLUSION

16 APPENDIX

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. Global Class A AIS Transponders Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Table 2. Global Class A AIS Transponders Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Table 3. SRT Marine Basic Information, Manufacturing Base and Competitors

Table 4. SRT Marine Major Business

Table 5. SRT Marine Class A AIS Transponders Product and Services

Table 6. SRT Marine Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 7. SRT Marine Recent Developments/Updates

Table 8. Alltek Marine Basic Information, Manufacturing Base and Competitors

Table 9. Alltek Marine Major Business

Table 10. Alltek Marine Class A AIS Transponders Product and Services

Table 11. Alltek Marine Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 12. Alltek Marine Recent Developments/Updates

Table 13. Furuno Basic Information, Manufacturing Base and Competitors

Table 14. Furuno Major Business

Table 15. Furuno Class A AIS Transponders Product and Services

Table 16. Furuno Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 17. Furuno Recent Developments/Updates

Table 18. Navico Basic Information, Manufacturing Base and Competitors

Table 19. Navico Major Business

Table 20. Navico Class A AIS Transponders Product and Services

Table 21. Navico Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 22. Navico Recent Developments/Updates

Table 23. Japan Radio Company Basic Information, Manufacturing Base and Competitors

Table 24. Japan Radio Company Major Business

Table 25. Japan Radio Company Class A AIS Transponders Product and Services

Table 26. Japan Radio Company Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)

Table 27. Japan Radio Company Recent Developments/Updates
Table 28. Comnav Marine Basic Information, Manufacturing Base and Competitors
Table 29. Comnav Marine Major Business
Table 30. Comnav Marine Class A AIS Transponders Product and Services
Table 31. Comnav Marine Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 32. Comnav Marine Recent Developments/Updates
Table 33. True Heading Basic Information, Manufacturing Base and Competitors
Table 34. True Heading Major Business
Table 35. True Heading Class A AIS Transponders Product and Services
Table 36. True Heading Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 37. True Heading Recent Developments/Updates
Table 38. Kongsberg Gruppen ASA Basic Information, Manufacturing Base and Competitors
Table 39. Kongsberg Gruppen ASA Major Business
Table 40. Kongsberg Gruppen ASA Class A AIS Transponders Product and Services
Table 41. Kongsberg Gruppen ASA Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 42. Kongsberg Gruppen ASA Recent Developments/Updates
Table 43. SAAB AB Basic Information, Manufacturing Base and Competitors
Table 44. SAAB AB Major Business
Table 45. SAAB AB Class A AIS Transponders Product and Services
Table 46. SAAB AB Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 47. SAAB AB Recent Developments/Updates
Table 48. Raymarine Basic Information, Manufacturing Base and Competitors
Table 49. Raymarine Major Business
Table 50. Raymarine Class A AIS Transponders Product and Services
Table 51. Raymarine Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 52. Raymarine Recent Developments/Updates
Table 53. Weatherdock AG Basic Information, Manufacturing Base and Competitors
Table 54. Weatherdock AG Major Business
Table 55. Weatherdock AG Class A AIS Transponders Product and Services
Table 56. Weatherdock AG Class A AIS Transponders Sales Quantity (Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2019-2024)
Table 57. Weatherdock AG Recent Developments/Updates

Table 58. Global Class A AIS Transponders Sales Quantity by Manufacturer (2019-2024) & (Units)
Table 59. Global Class A AIS Transponders Revenue by Manufacturer (2019-2024) & (USD Million)
Table 60. Global Class A AIS Transponders Average Price by Manufacturer (2019-2024) & (US\$/Unit)
Table 61. Market Position of Manufacturers in Class A AIS Transponders, (Tier 1, Tier 2, and Tier 3), Based on Consumption Value in 2023
Table 62. Head Office and Class A AIS Transponders Production Site of Key Manufacturer
Table 63. Class A AIS Transponders Market: Company Product Type Footprint
Table 64. Class A AIS Transponders Market: Company Product Application Footprint
Table 65. Class A AIS Transponders New Market Entrants and Barriers to Market Entry
Table 66. Class A AIS Transponders Mergers, Acquisition, Agreements, and Collaborations
Table 67. Global Class A AIS Transponders Sales Quantity by Region (2019-2024) & (Units)
Table 68. Global Class A AIS Transponders Sales Quantity by Region (2025-2030) & (Units)
Table 69. Global Class A AIS Transponders Consumption Value by Region (2019-2024) & (USD Million)
Table 70. Global Class A AIS Transponders Consumption Value by Region (2025-2030) & (USD Million)
Table 71. Global Class A AIS Transponders Average Price by Region (2019-2024) & (US\$/Unit)
Table 72. Global Class A AIS Transponders Average Price by Region (2025-2030) & (US\$/Unit)
Table 73. Global Class A AIS Transponders Sales Quantity by Type (2019-2024) & (Units)
Table 74. Global Class A AIS Transponders Sales Quantity by Type (2025-2030) & (Units)
Table 75. Global Class A AIS Transponders Consumption Value by Type (2019-2024) & (USD Million)
Table 76. Global Class A AIS Transponders Consumption Value by Type (2025-2030) & (USD Million)
Table 77. Global Class A AIS Transponders Average Price by Type (2019-2024) & (US\$/Unit)
Table 78. Global Class A AIS Transponders Average Price by Type (2025-2030) & (US\$/Unit)

Table 79. Global Class A AIS Transponders Sales Quantity by Application (2019-2024) & (Units)

Table 80. Global Class A AIS Transponders Sales Quantity by Application (2025-2030) & (Units)

Table 81. Global Class A AIS Transponders Consumption Value by Application (2019-2024) & (USD Million)

Table 82. Global Class A AIS Transponders Consumption Value by Application (2025-2030) & (USD Million)

Table 83. Global Class A AIS Transponders Average Price by Application (2019-2024) & (US\$/Unit)

Table 84. Global Class A AIS Transponders Average Price by Application (2025-2030) & (US\$/Unit)

Table 85. North America Class A AIS Transponders Sales Quantity by Type (2019-2024) & (Units)

Table 86. North America Class A AIS Transponders Sales Quantity by Type (2025-2030) & (Units)

Table 87. North America Class A AIS Transponders Sales Quantity by Application (2019-2024) & (Units)

Table 88. North America Class A AIS Transponders Sales Quantity by Application (2025-2030) & (Units)

Table 89. North America Class A AIS Transponders Sales Quantity by Country (2019-2024) & (Units)

Table 90. North America Class A AIS Transponders Sales Quantity by Country (2025-2030) & (Units)

Table 91. North America Class A AIS Transponders Consumption Value by Country (2019-2024) & (USD Million)

Table 92. North America Class A AIS Transponders Consumption Value by Country (2025-2030) & (USD Million)

Table 93. Europe Class A AIS Transponders Sales Quantity by Type (2019-2024) & (Units)

Table 94. Europe Class A AIS Transponders Sales Quantity by Type (2025-2030) & (Units)

Table 95. Europe Class A AIS Transponders Sales Quantity by Application (2019-2024) & (Units)

Table 96. Europe Class A AIS Transponders Sales Quantity by Application (2025-2030) & (Units)

Table 97. Europe Class A AIS Transponders Sales Quantity by Country (2019-2024) & (Units)

Table 98. Europe Class A AIS Transponders Sales Quantity by Country (2025-2030) &

(Units)

Table 99. Europe Class A AIS Transponders Consumption Value by Country
(2019-2024) & (USD Million)

Table 100. Europe Class A AIS Transponders Consumption Value by Country
(2025-2030) & (USD Million)

Table 101. Asia-Pacific Class A AIS Transponders Sales Quantity by Type (2019-2024)
& (Units)

Table 102. Asia-Pacific Class A AIS Transponders Sales Quantity by Type (2025-2030)
& (Units)

Table 103. Asia-Pacific Class A AIS Transponders Sales Quantity by Application
(2019-2024) & (Units)

Table 104. Asia-Pacific Class A AIS Transponders Sales Quantity by Application
(2025-2030) & (Units)

Table 105. Asia-Pacific Class A AIS Transponders Sales Quantity by Region
(2019-2024) & (Units)

Table 106. Asia-Pacific Class A AIS Transponders Sales Quantity by Region
(2025-2030) & (Units)

Table 107. Asia-Pacific Class A AIS Transponders Consumption Value by Region
(2019-2024) & (USD Million)

Table 108. Asia-Pacific Class A AIS Transponders Consumption Value by Region
(2025-2030) & (USD Million)

Table 109. South America Class A AIS Transponders Sales Quantity by Type
(2019-2024) & (Units)

Table 110. South America Class A AIS Transponders Sales Quantity by Type
(2025-2030) & (Units)

Table 111. South America Class A AIS Transponders Sales Quantity by Application
(2019-2024) & (Units)

Table 112. South America Class A AIS Transponders Sales Quantity by Application
(2025-2030) & (Units)

Table 113. South America Class A AIS Transponders Sales Quantity by Country
(2019-2024) & (Units)

Table 114. South America Class A AIS Transponders Sales Quantity by Country
(2025-2030) & (Units)

Table 115. South America Class A AIS Transponders Consumption Value by Country
(2019-2024) & (USD Million)

Table 116. South America Class A AIS Transponders Consumption Value by Country
(2025-2030) & (USD Million)

Table 117. Middle East & Africa Class A AIS Transponders Sales Quantity by Type
(2019-2024) & (Units)

Table 118. Middle East & Africa Class A AIS Transponders Sales Quantity by Type (2025-2030) & (Units)

Table 119. Middle East & Africa Class A AIS Transponders Sales Quantity by Application (2019-2024) & (Units)

Table 120. Middle East & Africa Class A AIS Transponders Sales Quantity by Application (2025-2030) & (Units)

Table 121. Middle East & Africa Class A AIS Transponders Sales Quantity by Region (2019-2024) & (Units)

Table 122. Middle East & Africa Class A AIS Transponders Sales Quantity by Region (2025-2030) & (Units)

Table 123. Middle East & Africa Class A AIS Transponders Consumption Value by Region (2019-2024) & (USD Million)

Table 124. Middle East & Africa Class A AIS Transponders Consumption Value by Region (2025-2030) & (USD Million)

Table 125. Class A AIS Transponders Raw Material

Table 126. Key Manufacturers of Class A AIS Transponders Raw Materials

Table 127. Class A AIS Transponders Typical Distributors

Table 128. Class A AIS Transponders Typical Customers

LIST OF FIGURE

s

Figure 1. Class A AIS Transponders Picture

Figure 2. Global Class A AIS Transponders Consumption Value by Type, (USD Million), 2019 & 2023 & 2030

Figure 3. Global Class A AIS Transponders Consumption Value Market Share by Type in 2023

Figure 4. With Display Examples

Figure 5. Without Display Examples

Figure 6. Global Class A AIS Transponders Consumption Value by Application, (USD Million), 2019 & 2023 & 2030

Figure 7. Global Class A AIS Transponders Consumption Value Market Share by Application in 2023

Figure 8. Tankers Examples

Figure 9. Tugs Examples

Figure 10. Cargo Carriers Examples

Figure 11. Others Examples

Figure 12. Global Class A AIS Transponders Consumption Value, (USD Million): 2019 & 2023 & 2030

Figure 13. Global Class A AIS Transponders Consumption Value and Forecast

(2019-2030) & (USD Million)

Figure 14. Global Class A AIS Transponders Sales Quantity (2019-2030) & (Units)

Figure 15. Global Class A AIS Transponders Average Price (2019-2030) & (US\$/Unit)

Figure 16. Global Class A AIS Transponders Sales Quantity Market Share by Manufacturer in 2023

Figure 17. Global Class A AIS Transponders Consumption Value Market Share by Manufacturer in 2023

Figure 18. Producer Shipments of Class A AIS Transponders by Manufacturer Sales Quantity (\$MM) and Market Share (%): 2023

Figure 19. Top 3 Class A AIS Transponders Manufacturer (Consumption Value) Market Share in 2023

Figure 20. Top 6 Class A AIS Transponders Manufacturer (Consumption Value) Market Share in 2023

Figure 21. Global Class A AIS Transponders Sales Quantity Market Share by Region (2019-2030)

Figure 22. Global Class A AIS Transponders Consumption Value Market Share by Region (2019-2030)

Figure 23. North America Class A AIS Transponders Consumption Value (2019-2030) & (USD Million)

Figure 24. Europe Class A AIS Transponders Consumption Value (2019-2030) & (USD Million)

Figure 25. Asia-Pacific Class A AIS Transponders Consumption Value (2019-2030) & (USD Million)

Figure 26. South America Class A AIS Transponders Consumption Value (2019-2030) & (USD Million)

Figure 27. Middle East & Africa Class A AIS Transponders Consumption Value (2019-2030) & (USD Million)

Figure 28. Global Class A AIS Transponders Sales Quantity Market Share by Type (2019-2030)

Figure 29. Global Class A AIS Transponders Consumption Value Market Share by Type (2019-2030)

Figure 30. Global Class A AIS Transponders Average Price by Type (2019-2030) & (US\$/Unit)

Figure 31. Global Class A AIS Transponders Sales Quantity Market Share by Application (2019-2030)

Figure 32. Global Class A AIS Transponders Consumption Value Market Share by Application (2019-2030)

Figure 33. Global Class A AIS Transponders Average Price by Application (2019-2030) & (US\$/Unit)

Figure 34. North America Class A AIS Transponders Sales Quantity Market Share by Type (2019-2030)

Figure 35. North America Class A AIS Transponders Sales Quantity Market Share by Application (2019-2030)

Figure 36. North America Class A AIS Transponders Sales Quantity Market Share by Country (2019-2030)

Figure 37. North America Class A AIS Transponders Consumption Value Market Share by Country (2019-2030)

Figure 38. United States Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 39. Canada Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 40. Mexico Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 41. Europe Class A AIS Transponders Sales Quantity Market Share by Type (2019-2030)

Figure 42. Europe Class A AIS Transponders Sales Quantity Market Share by Application (2019-2030)

Figure 43. Europe Class A AIS Transponders Sales Quantity Market Share by Country (2019-2030)

Figure 44. Europe Class A AIS Transponders Consumption Value Market Share by Country (2019-2030)

Figure 45. Germany Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 46. France Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 47. United Kingdom Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 48. Russia Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 49. Italy Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 50. Asia-Pacific Class A AIS Transponders Sales Quantity Market Share by Type (2019-2030)

Figure 51. Asia-Pacific Class A AIS Transponders Sales Quantity Market Share by Application (2019-2030)

Figure 52. Asia-Pacific Class A AIS Transponders Sales Quantity Market Share by Region (2019-2030)

Figure 53. Asia-Pacific Class A AIS Transponders Consumption Value Market Share by

Region (2019-2030)

Figure 54. China Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 55. Japan Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 56. Korea Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 57. India Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 58. Southeast Asia Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 59. Australia Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 60. South America Class A AIS Transponders Sales Quantity Market Share by Type (2019-2030)

Figure 61. South America Class A AIS Transponders Sales Quantity Market Share by Application (2019-2030)

Figure 62. South America Class A AIS Transponders Sales Quantity Market Share by Country (2019-2030)

Figure 63. South America Class A AIS Transponders Consumption Value Market Share by Country (2019-2030)

Figure 64. Brazil Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 65. Argentina Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 66. Middle East & Africa Class A AIS Transponders Sales Quantity Market Share by Type (2019-2030)

Figure 67. Middle East & Africa Class A AIS Transponders Sales Quantity Market Share by Application (2019-2030)

Figure 68. Middle East & Africa Class A AIS Transponders Sales Quantity Market Share by Region (2019-2030)

Figure 69. Middle East & Africa Class A AIS Transponders Consumption Value Market Share by Region (2019-2030)

Figure 70. Turkey Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 71. Egypt Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 72. Saudi Arabia Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 73. South Africa Class A AIS Transponders Consumption Value and Growth Rate (2019-2030) & (USD Million)

Figure 74. Class A AIS Transponders Market Drivers

Figure 75. Class A AIS Transponders Market Restraints

Figure 76. Class A AIS Transponders Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Class A AIS Transponders in 2023

Figure 79. Manufacturing Process Analysis of Class A AIS Transponders

Figure 80. Class A AIS Transponders Industrial Chain

Figure 81. Sales Quantity Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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