

Global Air-based Tactical Data Link Market Report and Forecast 2024-2032

Market Report | 2024-06-20 | 178 pages | EMR Inc.

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Report description:

Global Air-based Tactical Data Link Market Report and Forecast 2024-2032

Market outlook

According to the report by Expert Market Research (EMR), the air-based tactical data link market size is projected to further grow at a CAGR of 5.9% between 2024 and 2032. Aided by increasing demand for advanced communication systems in military operations and the growing applications of tactical data links in various defence platforms, the market is expected to grow significantly by 2032.

Air-based tactical data links (Tactical data link) are secure communication systems used by military forces to transmit real-time data between aircraft, ground stations, and naval vessels. These systems enable enhanced situational awareness, improved decision-making, and coordinated military operations. Tactical data link are essential components in modern warfare, providing critical information on enemy positions, mission status, and other tactical data.

The increasing demand for advanced communication systems in military operations is driving the air-based tactical data link market growth. With the growing complexity of modern warfare and the need for real-time data exchange, there is a significant demand for robust and secure communication systems. Tactical data link facilitates seamless communication and data sharing among military units, enhancing operational efficiency and mission success. Additionally, the rising focus on network-centric warfare and the integration of advanced technologies in military operations are further propelling the market growth.

The expanding applications of tactical data links in various defence platforms also play a significant role in propelling the market. In the aviation sector, tactical data link are used in fighter jets, unmanned aerial vehicles (UAVs), and surveillance aircraft to transmit real-time data and ensure coordinated operations. In the naval sector, tactical data link enable communication between ships, submarines, and aircraft, enhancing maritime situational awareness and operational capabilities. The growing demand for advanced communication systems in defence platforms is driving the adoption of tactical data link in the military sector.

Moreover, advancements in such technologies are driving innovation and development in the market. The introduction of new technologies, such as software-defined radios (SDRs), advanced encryption techniques, and artificial intelligence (AI), has enhanced the performance and functionality of tactical data link systems. These advancements enable the development of more secure, efficient, and interoperable communication systems. The growing adoption of advanced tactical data link technologies is consequently driving up the air-based tactical data link market share.

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The growing focus on defence modernisation and the increasing defence budgets of various countries are also contributing to the market growth. Governments across the world are investing in advanced communication systems and upgrading their defence infrastructure to enhance their military capabilities. The rising investments in defence modernisation programs are driving the demand for tactical data link systems. Additionally, the growing emphasis on joint military exercises and international defence collaborations is further supporting the market growth.

As per the air-based tactical data link market analysis, the regulatory environment plays a crucial role in shaping the tactical data link market. Governments and regulatory bodies across the world are actively supporting the development and deployment of advanced communication systems. Various regulations and standards, such as the International Traffic in Arms Regulations (ITAR) and the NATO Standardisation Agreements (STANAGs), are promoting the use of secure and interoperable communication systems in military operations. These regulatory efforts are providing a favourable environment for the growth of the tactical data link market.

Market Segmentation □

The market can be divided based on component, platform, application, sales channel, and region

Market Breakup by Component

- Hardware

- Software

Market Breakup by Platform

- Rotary Wing

- Fixed Wing

- Unmanned Aerial Vehicles (UAVs)

Market Breakup by Application

- Command and Control (C2)

- Intelligence, Surveillance and Reconnaissance (ISR)

- Electronic Warfare (EW)

- Radio Communication

Market Breakup by Sales Channel

- OEM

- Aftermarket

Market Breakup by Region

- North America

- Europe

- Asia Pacific

- Latin America

- Middle East and Africa

Competitive landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in global air-based tactical data link market. some of the major players explored in the report by expert market research are as follows:

- BAE Systems plc

- L3Harris Technologies, Inc.

- RTX Corporation

- General Dynamics Corporation

- Leonardo S.p.A.

- Curtiss-Wright Corporation

- Thales Group

- Elbit Systems Ltd.

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-[]Metrea LLC

-[]Terma A/S

-[]Others

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Table of Contents:

- 1 Preface
- 2 Report Coverage - Key Segmentation and Scope
- 3 Report Description
 - 3.1 Market Definition and Outlook
 - 3.2 Properties and Applications
 - 3.3 Market Analysis
 - 3.4 Key Players
- 4 Key Assumptions
- 5 Executive Summary
 - 5.1 Overview
 - 5.2 Key Drivers
 - 5.3 Key Developments
 - 5.4 Competitive Structure
 - 5.5 Key Industrial Trends
- 6 Market Snapshot
 - 6.1 Global
 - 6.2 Regional
- 7 Opportunities and Challenges in the Market
- 8 Global Air-based Tactical Data Link Market Analysis
 - 8.1 Key Industry Highlights
 - 8.2 Global Air-based Tactical Data Link Historical Market (2018-2023)
 - 8.3 Global Air-based Tactical Data Link Market Forecast (2024-2032)
 - 8.4 Global Air-based Tactical Data Link Market by Component
 - 8.4.1 Hardware
 - 8.4.1.1 Historical Trend (2018-2023)
 - 8.4.1.2 Forecast Trend (2024-2032)
 - 8.4.2 Software
 - 8.4.2.1 Historical Trend (2018-2023)
 - 8.4.2.2 Forecast Trend (2024-2032)
 - 8.5 Global Air-based Tactical Data Link Market by Platform
 - 8.5.1 Rotary Wing

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- 8.5.1.1 Historical Trend (2018-2023)
 - 8.5.1.2 Forecast Trend (2024-2032)
- 8.5.2 Fixed Wing
 - 8.5.2.1 Historical Trend (2018-2023)
 - 8.5.2.2 Forecast Trend (2024-2032)
- 8.5.3 Unmanned Aerial Vehicles (UAVs)
 - 8.5.3.1 Historical Trend (2018-2023)
 - 8.5.3.2 Forecast Trend (2024-2032)
- 8.6 Global Air-based Tactical Data Link Market by Application
 - 8.6.1 Command and Control (C2)
 - 8.6.1.1 Historical Trend (2018-2023)
 - 8.6.1.2 Forecast Trend (2024-2032)
 - 8.6.2 Intelligence, Surveillance and Reconnaissance (ISR)
 - 8.6.2.1 Historical Trend (2018-2023)
 - 8.6.2.2 Forecast Trend (2024-2032)
 - 8.6.3 Electronic Warfare (EW)
 - 8.6.3.1 Historical Trend (2018-2023)
 - 8.6.3.2 Forecast Trend (2024-2032)
 - 8.6.4 Radio Communication
 - 8.6.4.1 Historical Trend (2018-2023)
 - 8.6.4.2 Forecast Trend (2024-2032)
- 8.7 Global Air-based Tactical Data Link Market by Sales Channel
 - 8.7.1 OEM
 - 8.7.1.1 Historical Trend (2018-2023)
 - 8.7.1.2 Forecast Trend (2024-2032)
 - 8.7.2 Aftermarket
 - 8.7.2.1 Historical Trend (2018-2023)
 - 8.7.2.2 Forecast Trend (2024-2032)
- 8.8 Global Air-based Tactical Data Link Market by Region
 - 8.8.1 North America
 - 8.8.1.1 Historical Trend (2018-2023)
 - 8.8.1.2 Forecast Trend (2024-2032)
 - 8.8.2 Europe
 - 8.8.2.1 Historical Trend (2018-2023)
 - 8.8.2.2 Forecast Trend (2024-2032)
 - 8.8.3 Asia Pacific
 - 8.8.3.1 Historical Trend (2018-2023)
 - 8.8.3.2 Forecast Trend (2024-2032)
 - 8.8.4 Latin America
 - 8.8.4.1 Historical Trend (2018-2023)
 - 8.8.4.2 Forecast Trend (2024-2032)
 - 8.8.5 Middle East and Africa
 - 8.8.5.1 Historical Trend (2018-2023)
 - 8.8.5.2 Forecast Trend (2024-2032)
- 9 North America Air-based Tactical Data Link Market Analysis
 - 9.1 United States of America
 - 9.1.1 Historical Trend (2018-2023)

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- 9.1.2 Forecast Trend (2024-2032)
- 9.2 Canada
 - 9.2.1 Historical Trend (2018-2023)
 - 9.2.2 Forecast Trend (2024-2032)
- 10 Europe Air-based Tactical Data Link Market Analysis
 - 10.1 United Kingdom
 - 10.1.1 Historical Trend (2018-2023)
 - 10.1.2 Forecast Trend (2024-2032)
 - 10.2 Germany
 - 10.2.1 Historical Trend (2018-2023)
 - 10.2.2 Forecast Trend (2024-2032)
 - 10.3 France
 - 10.3.1 Historical Trend (2018-2023)
 - 10.3.2 Forecast Trend (2024-2032)
 - 10.4 Italy
 - 10.4.1 Historical Trend (2018-2023)
 - 10.4.2 Forecast Trend (2024-2032)
 - 10.5 Others
- 11 Asia Pacific Air-based Tactical Data Link Market Analysis
 - 11.1 China
 - 11.1.1 Historical Trend (2018-2023)
 - 11.1.2 Forecast Trend (2024-2032)
 - 11.2 Japan
 - 11.2.1 Historical Trend (2018-2023)
 - 11.2.2 Forecast Trend (2024-2032)
 - 11.3 India
 - 11.3.1 Historical Trend (2018-2023)
 - 11.3.2 Forecast Trend (2024-2032)
 - 11.4 ASEAN
 - 11.4.1 Historical Trend (2018-2023)
 - 11.4.2 Forecast Trend (2024-2032)
 - 11.5 Australia
 - 11.5.1 Historical Trend (2018-2023)
 - 11.5.2 Forecast Trend (2024-2032)
 - 11.6 Others
- 12 Latin America Air-based Tactical Data Link Market Analysis
 - 12.1 Brazil
 - 12.1.1 Historical Trend (2018-2023)
 - 12.1.2 Forecast Trend (2024-2032)
 - 12.2 Argentina
 - 12.2.1 Historical Trend (2018-2023)
 - 12.2.2 Forecast Trend (2024-2032)
 - 12.3 Mexico
 - 12.3.1 Historical Trend (2018-2023)
 - 12.3.2 Forecast Trend (2024-2032)
 - 12.4 Others
- 13 Middle East and Africa Air-based Tactical Data Link Market Analysis

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- 13.1 Saudi Arabia
 - 13.1.1 Historical Trend (2018-2023)
 - 13.1.2 Forecast Trend (2024-2032)
- 13.2 United Arab Emirates
 - 13.2.1 Historical Trend (2018-2023)
 - 13.2.2 Forecast Trend (2024-2032)
- 13.3 Nigeria
 - 13.3.1 Historical Trend (2018-2023)
 - 13.3.2 Forecast Trend (2024-2032)
- 13.4 South Africa
 - 13.4.1 Historical Trend (2018-2023)
 - 13.4.2 Forecast Trend (2024-2032)
- 13.5 Others
- 14 Market Dynamics
 - 14.1 SWOT Analysis
 - 14.1.1 Strengths
 - 14.1.2 Weaknesses
 - 14.1.3 Opportunities
 - 14.1.4 Threats
 - 14.2 Porter's Five Forces Analysis
 - 14.2.1 Supplier's Power
 - 14.2.2 Buyer's Power
 - 14.2.3 Threat of New Entrants
 - 14.2.4 Degree of Rivalry
 - 14.2.5 Threat of Substitutes
 - 14.3 Key Indicators for Demand
 - 14.4 Key Indicators for Price
- 15 Competitive Landscape
 - 15.1 Market Structure
 - 15.2 Company Profiles
 - 15.2.1 BAE Systems plc
 - 15.2.1.1 Company Overview
 - 15.2.1.2 Product Portfolio
 - 15.2.1.3 Demographic Reach and Achievements
 - 15.2.1.4 Certifications
 - 15.2.2 L3Harris Technologies, Inc.
 - 15.2.2.1 Company Overview
 - 15.2.2.2 Product Portfolio
 - 15.2.2.3 Demographic Reach and Achievements
 - 15.2.2.4 Certifications
 - 15.2.3 RTX Corporation
 - 15.2.3.1 Company Overview
 - 15.2.3.2 Product Portfolio
 - 15.2.3.3 Demographic Reach and Achievements
 - 15.2.3.4 Certifications
 - 15.2.4 General Dynamics Corporation
 - 15.2.4.1 Company Overview

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- 15.2.4.2 Product Portfolio
 - 15.2.4.3 Demographic Reach and Achievements
 - 15.2.4.4 Certifications
 - 15.2.5 Leonardo S.p.A.
 - 15.2.5.1 Company Overview
 - 15.2.5.2 Product Portfolio
 - 15.2.5.3 Demographic Reach and Achievements
 - 15.2.5.4 Certifications
 - 15.2.6 Curtiss-Wright Corporation
 - 15.2.6.1 Company Overview
 - 15.2.6.2 Product Portfolio
 - 15.2.6.3 Demographic Reach and Achievements
 - 15.2.6.4 Certifications
 - 15.2.7 Thales Group
 - 15.2.7.1 Company Overview
 - 15.2.7.2 Product Portfolio
 - 15.2.7.3 Demographic Reach and Achievements
 - 15.2.7.4 Certifications
 - 15.2.8 Elbit Systems Ltd.
 - 15.2.8.1 Company Overview
 - 15.2.8.2 Product Portfolio
 - 15.2.8.3 Demographic Reach and Achievements
 - 15.2.8.4 Certifications
 - 15.2.9 Metrea LLC
 - 15.2.9.1 Company Overview
 - 15.2.9.2 Product Portfolio
 - 15.2.9.3 Demographic Reach and Achievements
 - 15.2.9.4 Certifications
 - 15.2.10 Terma A/S
 - 15.2.10.1 Company Overview
 - 15.2.10.2 Product Portfolio
 - 15.2.10.3 Demographic Reach and Achievements
 - 15.2.10.4 Certifications
 - 15.2.11 Others
- 16 Key Trends and Developments in the Market

List of Key Figures and Tables

1. Global Air-based Tactical Data Link Market: Key Industry Highlights, 2018 and 2032
2. Global Air-based Tactical Data Link Historical Market: Breakup by Component (USD Million), 2018-2023
3. Global Air-based Tactical Data Link Market Forecast: Breakup by Component (USD Million), 2024-2032
4. Global Air-based Tactical Data Link Historical Market: Breakup by Platform (USD Million), 2018-2023
5. Global Air-based Tactical Data Link Market Forecast: Breakup by Platform (USD Million), 2024-2032
6. Global Air-based Tactical Data Link Historical Market: Breakup by Application (USD Million), 2018-2023
7. Global Air-based Tactical Data Link Market Forecast: Breakup by Application (USD Million), 2024-2032
8. Global Air-based Tactical Data Link Historical Market: Breakup by Sales Channel (USD Million), 2018-2023
9. Global Air-based Tactical Data Link Market Forecast: Breakup by Sales Channel (USD Million), 2024-2032
10. Global Air-based Tactical Data Link Historical Market: Breakup by Region (USD Million), 2018-2023

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11. Global Air-based Tactical Data Link Market Forecast: Breakup by Region (USD Million), 2024-2032
12. North America Air-based Tactical Data Link Historical Market: Breakup by Country (USD Million), 2018-2023
13. North America Air-based Tactical Data Link Market Forecast: Breakup by Country (USD Million), 2024-2032
14. Europe Air-based Tactical Data Link Historical Market: Breakup by Country (USD Million), 2018-2023
15. Europe Air-based Tactical Data Link Market Forecast: Breakup by Country (USD Million), 2024-2032
16. Asia Pacific Air-based Tactical Data Link Historical Market: Breakup by Country (USD Million), 2018-2023
17. Asia Pacific Air-based Tactical Data Link Market Forecast: Breakup by Country (USD Million), 2024-2032
18. Latin America Air-based Tactical Data Link Historical Market: Breakup by Country (USD Million), 2018-2023
19. Latin America Air-based Tactical Data Link Market Forecast: Breakup by Country (USD Million), 2024-2032
20. Middle East and Africa Air-based Tactical Data Link Historical Market: Breakup by Country (USD Million), 2018-2023
21. Middle East and Africa Air-based Tactical Data Link Market Forecast: Breakup by Country (USD Million), 2024-2032
22. Global Air-based Tactical Data Link Market Structure

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