Vetronics Market by Application (Defense and Homeland Security), Vehicle Type (Main Battle Tank, Light Protected Vehicle, Amphibious Armored Vehicle), Subsystem (Communication, Navigation, C3 Systems, Power Systems) - Global Forecasts to 2021

Description: According to the projections in this report, the vetronics market is estimated to grow from USD 2.85 billion in 2016 to USD 3.51 billion by 2021, at a CAGR of 4.30% during the forecast period. Factors that are expected to drive the vetronics market include network centric warfare, situational awareness, embedded technology system commonality, and shift towards COTS enabled improved SWaP specification.

The need for technologically advanced vehicles by defense authorities worldwide is the key factor fueling the growth of the vetronics market. Mine resistant ambush protected vehicles provide protection against threats from chemical, biological, radiological, and nuclear weapons (CBRN), improvised explosive devices (IED), and rocket propelled grenades (RPG). Their strong demand from Middle Eastern countries, such as Iraq and Afghanistan is the key factor fueling the demand for mine resistant ambush protected vehicles.

Based on subsystem, the C3 systems segment is estimated to account for the highest share of the vetronics market during the forecast period. This can be attributed to increase in demand for lightweight and technologically advanced display computers for vehicles used in warzone.

The North-American region is estimated to account for the largest share of the vetronics market. Increased procurement of innovative vetronics and improvisation of existing fighting vehicles is the prime factor fueling the growth of the vetronics market in the region. The APAC region is estimated to grow at the highest CAGR during the forecast period. This can be attributed to the rise in defense spending of leading countries, such as China, India, Japan, and Australia, among others. Need for technologically advanced vetronics systems is also a key factor fueling the growth of the vetronics market in the Asia-Pacific region.

Break-up of profile of primary participants for the report has been given below:

- By Company Type: Tier 1 - 45%, Tier 2 - 35%, Tier 3 - 20%
- By Designation: C Level - 50%, D level - 35%, Others - 15%
- By Region: North America - 44%, Europe - 35%, APAC - 15%, RoW - 6%

Vetronics have evolved over the course of time in terms of technology. CS13 program (command, control, communication, and information), COTS (Commercial of Shelf), and VICTORY (Vehicular Integration for Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance/Electronic Warfare) are some of the key trends driving the vetronics market.

Major companies profiled in the report are Thales Group (U.S.), Raytheon Company (U.S.), Lockheed Martin Corporation (U.S.), SAAB Group (Sweden), General Dynamics Corporation (U.S.), Curtiss Wright Corporation (U.S.), Elbit Systems (Israel), Leonardo-Finmeccanica SPA (Italy), Harris Corporation (U.S.), Rheinmetall AG (Germany), BAE Systems (U.K.), among others.

Objectives of the Study:

The report analyzes the market on the basis of application (defense and homeland security), vehicle type (main battle tank, light protected vehicle, amphibious armored vehicles, mine resistant ambush protected vehicles, infantry fighting vehicles, armored personnel carriers, others), and subsystem (communication & navigation, observation & display systems, C3 systems, weapon & control systems, sensor & control systems, vehicle protection systems and power systems). It maps these segments and subsegments across major regions, namely North America, Europe, Asia-Pacific, the Middle East, and the Rest of the World.

Target Audience

- Software/Hardware/Service and Solution Providers
- Technology Support Providers
- Military Land Vehicles Manufacturers
- Subcomponent Manufacturers

Scope of the Report

By Application
- Defense
- Homeland Security

By Vehicle Type
- Main Battle Tank
- Light Protected Vehicles
- Amphibious Armored Vehicles
- Mine resistant ambush protected
- Infantry Fighting Vehicle
- Armored Personnel Carriers
- Others

By Subsystem
- Communication & Navigation
- Observation and Display Systems
- C3 Systems
- Weapon Control Systems
- Sensor & Control Systems
- Vehicle protection Systems
- Power Systems

By Region
- North America
- Europe
- Asia-Pacific
- Middle East
- Rest of the World

Contents:
1 Introduction
1.1 Objectives Of The Study
1.2 Market Definition
1.3 Study Scope
1.3.1 Markets Covered
1.3.2 Years Considered For The Study
1.4 Currency & Pricing
1.5 Limitations
1.6 Market Stakeholders

2 Research Methodology
2.1 Research Data
2.1.1 Secondary Data
2.1.1.1 Key Data From Secondary Sources
2.1.2 Primary Data
2.1.2.1 Key Data From Primary Sources
2.1.2.2 Breakdown Of Primaries
2.2 Factor Analysis
2.2.1 Demand Side Indicators
2.2.1.1 Rising Need For Accuracy In Navigation And Connectivity
2.2.1.2 Growing Regional Conflicts And Modernization Of Militaries
2.2.2 Supply Side Indicators
2.2.2.1 High Availability Of Small And Robust Electronic Components
2.3 Market Size Estimation
8.6 Infantry Fighting Vehicles
8.7 Armored Personnel Carriers
8.8 Others

9 Vetronics Market, By Subsystem
9.1 Introduction
9.2 Navigation Systems
9.3 Observation & Display Systems
9.4 C3 Systems
9.5 Weapon Control Systems
9.6 Sensor & Control Systems
9.7 Vehicle Protection Systems
9.8 Power Systems

10 Geographic Analysis
10.1 Introduction
10.2 North America
10.2.1 By Application
10.2.2 By Vehicle Type
10.2.3 By Subsystems
10.2.4 By Country
10.2.4.1 U.S.
10.2.4.2 Canada
10.3 Europe
10.3.1 By Application
10.3.2 By Vehicle Type
10.3.3 By Subsystems
10.3.4 By Country
10.3.4.1 U.K.
10.3.4.2 Germany
10.3.4.3 Russia
10.3.4.4 France
10.4 Asia-Pacific
10.4.1 By Application
10.4.2 By Vehicle Type
10.4.3 By Subsystems
10.4.4 By Country
10.4.4.1 China
10.4.4.2 India
10.4.4.3 Australia
10.5 The Middle East
10.5.1 By Application
10.5.2 By Vehicle Type
10.5.3 By Subsystems
10.5.4 By Country
10.5.4.1 Uae
10.5.4.2 Saudi Arabia
10.5.4.3 Israel
10.6 Rest Of The World
10.6.1 By Application
10.6.2 By Vehicle Type
10.6.3 By Subsystems
10.6.4 By Region
10.6.4.1 Latin America
10.6.4.2 Africa

11 Competitive Landscape
11.1 Introduction
11.2 Market Share Analysis
11.2.1 Brand Analysis
11.2.2 Competitive Situation And Trends
11.2.3 Contracts
11.2.4 New Product Launches
12 Company Profiles
12.1 Introduction
(Overview, Financials, Products & Services, Strategy, And Developments)*
12.2 Thales Group
12.3 Saab Group
12.4 Lockheed Martin Corporation
12.5 General Dynamics Corporation
12.6 Raytheon Company
12.7 Curtiss-Wright Corporation
12.8 Leonardo-Finmeccanica S.P.A
12.9 Rheinmetall Ag
12.10 BAE Systems Plc.
12.11 Harris Corporation
*Details On Overview, Financials, Product & Services, Strategy, And Developments Might Not Be Captured In Case Of Unlisted Companies.

13 Appendix
13.1 Discussion Guide

List Of Tables
Table 1 Major Conflicts Worldwide, 2002-2015
Table 2 Application Analysis: Vetronics Market
Table 3 Vehicle Type Analysis: Vetronics Market
Table 4 Subsystems Analysis: Vetronics Market
Table 5 Key Trend Analysis For CS
Table 6 Key Trend Analysis For Cots
Table 7 Key Trend Analysis For Victory
Table 8 North America: Current And Future Outlook For Vetronics Procurement In Armored Vehicles
Table 9 Europe: Current And Future Outlook For Vetronics Procurement In Armored Vehicles
Table 10 Asia-Pacific: Current And Future Outlook For Vetronics Procurement In Armored Vehicles
Table 11 The Middle East: Current And Future Outlook For Vetronics Procurement In Armored Vehicles
Table 12 Vetronics Market Size, By Application, 2014-2021 (USD Million)
Table 13 Vetronics Market Size In Defense Application, By Region, 2014-2021 (USD Million)
Table 14 Vetronics Market Size In Homeland Security Application, By Region, 2014-2021 (USD Million)
Table 15 Vetronics Market Size, By Vehicle Type , 2015-2021 (USD Million)
Table 16 Vetronics Market Size, By Subsystem, 2014-2021 (USD Million)
Table 17 North America: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 18 North America: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 19 North America: Vetronics Market Size , By Subsystems, 2015-2021 (USD Million)
Table 20 U.S.: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 21 U.S.: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 22 U.S.: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 23 Canada: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 24 Canada: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 25 Canada: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 26 Europe: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 27 Europe: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 28 Europe: Vetronics Market Size, By Subsystem, 2015-2021 (USD Million)
Table 29 U.K.: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 30 U.K.: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 31 U.K.: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 32 Germany: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 33 Germany: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 34 Germany: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 35 Russia: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 36 Russia: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 37 Russia: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 38 France: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 39 France: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 40 France: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 41 Asia-Pacific: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 42 Asia-Pacific: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 43 Asia-Pacific: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 44 China: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 45 China: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 46 China: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 47 India: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 48 India: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 49 India: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 50 Australia: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 51 Australia: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 52 Australia: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 53 Middle East: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 54 Middle East: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 55 Middle East: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 56 UAE: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 57 UAE: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 58 UAE: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 59 Saudi Arabia: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 60 Saudi Arabia: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 61 Saudi Arabia: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 62 Israel: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 63 Israel: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 64 Israel: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 65 RoW: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 66 RoW: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 67 RoW: Vetronics Market Size, By Subsystems, 2015-2021 (USD Million)
Table 68 Latin America: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 69 Latin America: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 70 Latin America: Vetronics Market Size, By Subsystem, 2015-2021 (USD Million)
Table 71 Africa: Vetronics Market Size, By Application, 2015-2021 (USD Million)
Table 72 Africa: Vetronics Market Size, By Vehicle Type, 2015-2021 (USD Million)
Table 73 Africa: Vetronics Market Size, By Subsystem, 2015-2021 (USD Million)
Table 74 Contracts, April 2014 - July 2016
Table 75 New Product Launches, November 2013-June 2016

List Of Figures

Figure 1 Global Vetronics Market: Markets Covered
Figure 2 Study Years
Figure 3 Research Flow
Figure 4 Research Design
Figure 5 Breakdown Of Primary Interviews: By Company, Designation & Region
Figure 6 Market Size Estimation Methodology: Bottom-Up Approach
Figure 7 Market Size Estimation Methodology: Top-Down Approach
Figure 8 Market Breakdown & Data Triangulation
Figure 9 Assumptions Of The Research Study
Figure 10 Asia-Pacific Projected To Grow At The Highest Rate During The Forecast Period
Figure 11 Defense Application Projected To Lead The Vetronics Market In 2016
Figure 12 C3 Systems Segment Projected To Grow At The Fastest Rate During The Forecast Period
Figure 13 Contracts Was The Key Strategy Adopted By Companies In The Vetronics Market During 2014 To 2016
Figure 14 Increased Network Centric Warfare Playing The Major Role In Growth Of Vetronics Market
Figure 15 Defense Segment Projected To Lead The Vetronics Market Throughout The Forecast Period
Figure 16 China Accounted For The Largest Share In The Asia-Pacific Region
Figure 17 Asia-Pacific Projected To Grow At The Highest Cagr During The Forecast Period In Vetronics Market
Figure 18 Weapon Control Systems Segment Projected To Lead The Vetronics Market During The Forecast Period
Figure 19 Asia-Pacific Projected To Be The Fastest-Growing Market During The Forecast Period
Figure 20 Vetronics Market, By Application
Figure 21 Vetronics Market, By Vehicle Type
Figure 22 Vetronics Market, By Subsystems
Figure 23 Network-Centric Warfare Is A Major Driver For The Vetronics Market
Figure 24 Network Centric Warfare, Market Size, 2014-2021 (USD Million)
Figure 25 Transition To Advanced Vetronics
Figure 26 Vetronics Market Size, By Application, 2014-2021 (USD Million)
Figure 27 Vetronics Market In Defense Application, By Region, 2016 & 2021 (USD Million)
Figure 28 Vetronics Market In Homeland Security Application, By Region, 2016 & 2021 (USD Million)
Figure 29 Regional Snapshot: Growth Rate Analysis, 2016-2021
Figure 30 North America Snapshot: The U.S. Projected To Dominate The Global Vetronics Market During The Forecast Period
Figure 31 North America: Vetronics Market, By Application, 2016 & 2021 (USD Million)
Figure 32 North America: Vetronics Market, By Vehicle Type, 2016 & 2021 (USD Million)
Figure 33 North America: Vetronics Market, By Subsystems, 2016 & 2021 (USD Million)
Figure 34 Europe Snapshot: Russia Projected To Dominate The Vetronics Market During The Forecast Period
Figure 35 Europe: Vetronics Market, By Application, 2016 & 2021 (USD Million)
Figure 36 Europe: Vetronics Market, By Vehicle Type, 2016 & 2021 (USD Million)
Figure 37 Europe: Vetronics Market, By Subsystems, 2016 & 2021 (USD Million)
Figure 38 Asia-Pacific Snapshot: China To Projected Dominate Vetronics Market During The Forecast Period
Figure 39 Asia-Pacific: Vetronics Market, By Application, 2016 & 2021 (USD Million)
Figure 40 Asia-Pacific: Vetronics Market, By Vehicle Type, 2016 & 2021 (USD Million)
Figure 41 Asia-Pacific: Vetronics Market, By Subsystems, 2016 & 2021 (USD Million)
Figure 42 Middle East Snapshot: Saudi Arabia Projected To Dominate Vetronics Market During The Forecast Period
Figure 43 Middle East: Vetronics Market, By Application, 2016 & 2021 (USD Million)
Figure 44 Middle East: Vetronics Market, By Vehicle Type, 2016 & 2021 (USD Million)
Figure 45 Middle East: Vetronics Market, By Subsystems, 2016 & 2021 (USD Million)
Figure 46 RoW Snapshot: Latin America Projected To Dominate Vetronics Market During The Forecast Period
Figure 47 RoW: Vetronics Market, By Application, 2016 & 2021 (USD Million)
Figure 48 RoW: Vetronics Market, By Vehicle Type, 2016 & 2021 (USD Million)
Figure 49 RoW: Vetronics Market, By Subsystems, 2016 & 2021 (USD Million)
Figure 50 Companies Adopted Contracts As The Key Growth Strategy Between April 2014 And July 2016
Figure 51 Thales Group Dominated The Vetronics Market In 2015
Figure 52 Brand Analysis: Vetronics Market
Figure 53 Vetronics Market Witnessed Significant Growth Between April 2014 And July 2016
Figure 54 Contracts Was The Major Strategy Adopted By Players To Grow In The Vetronics Market Between 2014 And 2016
Figure 55 Geographic Revenue Mix Of Top 5 Market Players, 2015
Figure 56 Thales Group: Company Snapshot
Figure 57 Thales Group: Swot Analysis
Figure 58 Saab Group: Company Snapshot
Figure 59 Saab Ab: Swot Analysis
Figure 60 Lockheed Martin Corporation: Company Snapshot
Figure 61 Lockheed Martin Corporation: Swot Analysis
Figure 62 General Dynamics Corporation: Company Snapshot
Figure 63 General Dynamics Corporation: Swot Analysis
Figure 64 The Raytheon Company: Company Snapshot
Figure 65 Raytheon Company: Swot Analysis
Figure 66 Curtiss-Wright Corporation: Company Snapshot
Figure 67 Leonardo-Finmeccanica Spa: Company Snapshot
Figure 68 Rheinmetall Ag: Company Snapshot
Figure 69 BAE Systems Plc.: Company Snapshot
Figure 70 Harris Corporation: Company Snapshot

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