

Enhanced Vision System Market by Technology (Infrared, Synthetic Vision Systems, GPS, Millimeter Wave Radar), Component (Sensors, Processing Units, Control Electronics, Camera, Display), Platform (Fixed, Rotary) and Region - Global Forecast to 2021

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Abstracts

“Enhanced vision systems market projected to grow at a CAGR of 4.32% during the forecast period”

The enhanced vision systems market is projected to grow from USD 202.7 million in 2016 to USD 250.4 million by 2021, at a CAGR of 4.32% during the forecast period. Aircraft safety, situational awareness, and reliable operations at low visibility are factors driving the enhanced vision systems market. Whereas, high amount of investment and lengthy clearance process for upgradation of components act as some of the major restraints for the enhanced vision systems market. The manufactured components need approval from various authorities, such the U.S. Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO), before they are installed on board an aircraft. It is also difficult to obtain approval for the replacement of conventional systems onboard the aircraft.

“Millimeter wave radar segment projected to grow at the highest CAGR during the forecast period”

Based on technology, the millimeter wave radar segment of the enhanced vision systems market is projected to grow at the highest CAGR during the forecast period. Pilots have to depend on active sensors like millimeter wave (MMW) radars for reliable vision and safe navigation. Among all imaging sensors, the most promising one for enhanced vision systems is the MMW radar as it has the lowest weather dependency.

“Display segment estimated to account for the largest market share during the forecast period”

Based on component, the display segment is projected to account for the largest share of the enhanced vision systems market during the forecast period. Display units serve as a screen for graphical representation of data collected from various sensors onboard, and is a crucial component of the enhanced vision systems. This is one of the key factors propelling growth of the display segment.

“North America estimated to account for the largest share of the market, whereas Asia-Pacific projected to grow at the fastest rate during the forecast period” North America is estimated to lead the enhanced vision systems market during the forecast period. Countries in this region include the U.S. and Canada. The enhanced vision systems market in North America is driven by the presence of large number of OCMs (original component manufacturers), major technological upgradation of existing equipment by key players, and the presence of key market players, such as Honeywell International, Inc. (U.S.), United Technologies Corporation (U.S.), and L-3 Communications Holdings, Inc. (U.S.). Whereas, the Asia-Pacific enhanced vision systems market is projected to grow at the highest CAGR during the forecast period. This high growth can be attributed to the presence of large OEMs (original equipment manufacturers), such as HALBIT Avionics Private Limited (India) and Samtel Group (India), demand for increased safety and reliable airline operations, and fluctuating weather conditions in the region.

Break-up of profile of primary participants for this report:

By Company Type: Tier 1 – 35%, Tier 2 – 45%, Tier 3 – 20%

By Designation: C level – 35%, Director level – 25%, Others – 40%

By Region: North America – 45%, Europe – 20%, Asia-Pacific – 30%, RoW – 5%

Key Players operating in the enhanced vision system market are Honeywell International, Inc. (U.S.), United Technologies Corporation (U.S.), L-3 Communications Holdings, Inc. (U.S.), Thales Group (France), and Elbit Systems Ltd. (Israel), among others.

Study Coverage

Enhanced Vision System Market by Technology (Infrared, Synthetic Vision Systems, GPS, Millimeter Wave Radar),...

The report analyzes the enhanced vision systems market based on technology (infrared, synthetic vision, global positioning system, and millimeter wave radar), component (sensors, processing unit, control electronics, camera, and display), and platform (fixed wing and rotary wing). It also maps these segments and subsegments across major regions, namely, North America, Europe, Asia-Pacific, and the rest of the world.

Reasons to buy the report:

From an insight perspective, the enhanced vision systems market report focuses on various levels of analysis — industry analysis, market share analysis of top players, and company profiles, which together comprise and discuss basic views on competitive landscape, high-growth regions, and countries, and their respective regulatory policies, drivers, restraints, and opportunities.

The enhanced vision systems market report provides insights on the following pointers:

Market Penetration: Comprehensive mapping of competitive landscape and participants' behavior in the enhanced vision systems market

Market Sizing: Market size in both, financial year 2014-2015, and between 2016 and 2021

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the enhanced vision systems market

Market Overview: Market dynamics and subsequent analysis of associated trends, drivers, restraints, and opportunities prevailing in the enhanced vision systems market

Market Development: Comprehensive information about lucrative markets by analyzing markets for enhanced vision systems across various regions

Market Diversification: Exhaustive information about new products, untapped geographies, recent developments, and investments in the enhanced vision systems market

Regional Analysis: Factors influencing the market shares of North America, Europe, Asia-Pacific, and rest of the world

Competitive Assessment: In-depth assessment of strategies, products, and manufacturing capabilities of leading market players

Contents

1 INTRODUCTION

- 1.1 OBJECTIVES OF STUDY
- 1.2 MARKET DEFINITION
- 1.3 STUDY SCOPE
 - 1.3.1 MARKETS COVERED
 - 1.3.2 REGIONAL SCOPE
 - 1.3.3 YEARS CONSIDERED FOR THE STUDY
- 1.4 CURRENCY & PRICING
- 1.5 STUDY 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 Key industry insights
 - 2.1.2.3 Breakdown of primaries
- 2.2 FACTOR ANALYSIS
 - 2.2.1 INTRODUCTION
 - 2.2.2 DEMAND-SIDE INDICATORS
 - 2.2.2.1 General aviation safety
 - 2.2.2.2 Operational flexibility
 - 2.2.3 SUPPLY-SIDE INDICATORS
 - 2.2.3.1 High growth prospects for component manufacturers
- 2.3 MARKET SIZE ESTIMATION
 - 2.3.1 BOTTOM-UP APPROACH
 - 2.3.2 TOP-DOWN APPROACH
- 2.4 DATA TRIANGULATION
- 2.5 RESEARCH ASSUMPTIONS

3 EXECUTIVE SUMMARY

4 PREMIUM INSIGHTS

Enhanced Vision System Market by Technology (Infrared, Synthetic Vision Systems, GPS, Millimeter Wave Radar),...

- 4.1 INCREASING GLOBAL DEMAND FOR ENHANCED VISION SYSTEM
- 4.2 ENHANCED VISION SYSTEMS (EVS) MARKET, BY TECHNOLOGY
- 4.3 ENHANCED VISION SYSTEMS MARKET SIZE, BY COMPONENT
- 4.4 MARKET SHARE AND GROWTH ANALYSIS, BY REGION
- 4.5 LIFE CYCLE ANALYSIS, BY REGION

5 MARKET OVERVIEW

- 5.1 INTRODUCTION
- 5.2 MARKET SEGMENTATION
 - 5.2.1 BY TECHNOLOGY
 - 5.2.2 BY COMPONENT
 - 5.2.3 BY PLATFORM
 - 5.2.4 BY REGION
- 5.3 MARKET DYNAMICS
 - 5.3.1 DRIVERS
 - 5.3.1.1 Improved safety and situational awareness
 - 5.3.1.2 Reliable operations at poor visibility
 - 5.3.1.3 Smaller airports with inadequate infrastructure
 - 5.3.2 RESTRAINTS
 - 5.3.2.1 Industry regulations
 - 5.3.2.2 High cost of technology
 - 5.3.3 OPPORTUNITIES
 - 5.3.3.1 Retrofit and aftermarket
 - 5.3.3.2 Standard fit for business jets and operational efficiency for aircraft
 - 5.3.4 CHALLENGES
 - 5.3.4.1 Create awareness of EVS among aircraft operators

6 INDUSTRY TRENDS

- 6.1 INTRODUCTION
- 6.2 VALUE CHAIN
- 6.3 SUPPLY CHAIN
- 6.4 ADVANCEMENTS IN EXISTING TECHNOLOGIES
 - 6.4.1 INFRARED TECHNOLOGIES
 - 6.4.2 RADAR TECHNOLOGIES
 - 6.4.3 WAVE GUIDE DISPLAY VS. OLED DISPLAY
- 6.5 EMERGING TECHNOLOGY TRENDS

- 6.5.1 FORWARD LOOKING INFRARED (FLIR) TECHNOLOGY
- 6.5.2 MULTISPECTRAL & HYPER SPECTRAL CAMERAS
- 6.5.3 MULTI-SENSOR TECHNOLOGY
- 6.5.4 COOLED THERMAL CAMERAS
- 6.6 PATENT REGISTRATIONS
- 6.7 VISION SYSTEMS FOR UAV
 - 6.7.1 INTELLIGENCE SURVEILLANCE AND RECONNAISSANCE (ISR)
 - 6.7.1.1 Intelligence
 - 6.7.1.2 Surveillance
 - 6.7.1.3 Reconnaissance
- 6.8 COMBINED VISION SYSTEMS
 - 6.8.1 ENHANCED VISION SYSTEM (EVS)
 - 6.8.2 SYNTHETIC VISION SYSTEMS (SVS)
 - 6.8.3 SYNTHETIC APERTURE RADAR (SAR)
 - 6.8.4 MILLI METRIC WAVE RADAR

7 ENHANCED VISION SYSTEM MARKET, BY TECHNOLOGY

- 7.1 INTRODUCTION
- 7.2 INFRARED
- 7.3 SYNTHETIC VISION
- 7.4 GLOBAL POSITIONING SYSTEM
- 7.5 MILLIMETER WAVE RADAR

8 ENHANCED VISION SYSTEM MARKET, BY COMPONENT

- 8.1 INTRODUCTION
- 8.2 DISPLAYS
- 8.3 CAMERAS
- 8.4 PROCESSING UNIT
- 8.5 SENSORS
- 8.6 CONTROL ELECTRONICS

9 ENHANCED VISION SYSTEM MARKET, BY PLATFORM

- 9.1 INTRODUCTION
- 9.2 FIXED WING
 - 9.2.1 COMMERCIAL JETS
 - 9.2.2 FIGHTER JETS

9.2.3 BUSINESS JETS

9.3 ROTARY WING

9.3.1 COMMERCIAL HELICOPTERS

9.3.2 MILITARY HELICOPTERS

10 REGIONAL ANALYSIS

10.1 INTRODUCTION

10.2 NORTH AMERICA

10.2.1 BY TECHNOLOGY

10.2.2 BY COMPONENT

10.2.3 BY PLATFORM

10.2.4 BY COUNTRY

10.2.4.1 U.S.

10.2.4.1.1 By technology

10.2.4.1.2 By component

10.2.4.1.3 By platform

10.2.4.2 Canada

10.2.4.2.1 By technology

10.2.4.2.2 By component

10.2.4.2.3 By platform

10.3 EUROPE

10.3.1 BY TECHNOLOGY

10.3.2 BY COMPONENT

10.3.3 BY PLATFORM

10.3.4 BY COUNTRY

10.3.4.1 U.K.

10.3.4.1.1 By technology

10.3.4.1.2 By component

10.3.4.1.3 By platform

10.3.4.2 France

10.3.4.2.1 By technology

10.3.4.2.2 By component

10.3.4.2.3 By platform

10.3.4.3 Germany

10.3.4.3.1 By technology

10.3.4.3.2 By component

10.3.4.3.3 By platform

10.3.4.4 Russia

10.3.4.4.1 By technology

10.3.4.4.2 By component

10.3.4.4.3 By platform

10.4 ASIA-PACIFIC

10.4.1 BY TECHNOLOGY

10.4.2 BY COMPONENT

10.4.3 BY PLATFORM

10.4.4 BY COUNTRY

10.4.4.1 China

10.4.4.1.1 By technology

10.4.4.1.2 By Component

10.4.4.1.3 By platform

10.4.4.2 Japan

10.4.4.2.1 By technology

10.4.4.2.2 By Component

10.4.4.2.3 By platform

10.4.4.3 India

10.4.4.3.1 By technology

10.4.4.3.2 By Component

10.4.4.3.3 By platform

10.5 REST OF THE WORLD

10.5.1 BY TECHNOLOGY

10.5.2 BY COMPONENT

10.5.3 BY PLATFORM

10.5.4 BY COUNTRY

10.5.4.1 UAE

10.5.4.1.1 By technology

10.5.4.1.2 By component

10.5.4.1.3 By platform

10.5.4.2 Brazil

10.5.4.2.1 By technology

10.5.4.2.2 By component

10.5.4.2.3 By platform

10.5.4.3 South Africa

10.5.4.3.1 By technology

10.5.4.3.2 By component

10.5.4.3.3 By platform

11 COMPETITIVE LANDSCAPE

- 11.1 OVERVIEW
- 11.2 MARKET RANK ANALYSIS, BY COMPANY
- 11.3 BRAND ANALYSIS
- 11.4 COMPETITIVE SITUATIONS & TRENDS
 - 11.4.1 CONTRACTS
 - 11.4.2 NEW PRODUCT LAUNCHES
 - 11.4.3 ACQUISITIONS

12 COMPANY PROFILES

(Company at a Glance, Recent Financials, Products & Services, Strategies & Insights, & Recent Developments)*

- 12.1 INTRODUCTION
- 12.2 HONEYWELL INTERNATIONAL, INC.
- 12.3 UNITED TECHNOLOGIES CORPORATION
- 12.4 L-3 COMMUNICATIONS HOLDINGS, INC.
- 12.5 THALES GROUP
- 12.6 ELBIT SYSTEMS LTD.
- 12.7 ROCKWELL COLLINS, INC.
- 12.8 ESTERLINE TECHNOLOGIES CORPORATION
- 12.9 ASTRONICS CORPORATION
- 12.10 MBDA
- 12.11 OPGAL

*Details on company at a glance, recent financials, products & services, strategies & insights, & recent developments might not be captured in case of unlisted companies.

13 APPENDIX

- 13.1 DISCUSSION GUIDE
- 13.2 KNOWLEDGE STORE: MARKETSANDMARKETS' SUBSCRIPTION PORTAL
- 13.3 INTRODUCING RT: REAL TIME MARKET INTELLIGENCE
- 13.4 AVAILABLE CUSTOMIZATIONS
- 13.5 RELATED REPORTS
- 13.6 AUTHOR DETAILS

List Of Tables

LIST OF TABLES

TABLE 1 MARKET SEGMENTATION: BY TECHNOLOGY

TABLE 2 MARKET SEGMENTATION: BY COMPONENT

TABLE 3 MARKET SEGMENTATION: BY PLATFORM

TABLE 4 GEOGRAPHIC ANALYSIS OF ENHANCED VISION SYSTEM MARKET

TABLE 5 PARAMETERS AND COMPLIANCE CHARACTERISTIC FOR EVS

TABLE 6 MISCONCEPTIONS AND COMPREHENSIONS OF ENHANCED VISION SYSTEM (EVS)

TABLE 7 INCREASING ROLE OF DRONES FOR INTELLIGENCE ACTIVITIES

TABLE 8 MICRO DRONE APPLICATIONS

TABLE 9 CHARACTERISTICS OF MILLI METER WAVE RADAR (MMWR)

TABLE 10 ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 11 INFRARED SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 12 SYNTHETIC VISION SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 13 GLOBAL POSITIONING SYSTEM SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 14 MILLIMETER WAVE RADAR SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 15 FEATURES OF ENHANCED VISION SYSTEM SENSORS

TABLE 16 ENHANCED VISION SYSTEM MARKET, BY COMPONENT, 2014-2021 (USD MILLION)

TABLE 17 DISPLAYS SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 18 CAMERAS SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 19 PROCESSING UNIT SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 20 SENSORS SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 21 CONTROL ELECTRONICS SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 22 ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 23 FIXED WING SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 24 ROTARY WING SEGMENT, BY REGION, 2014-2021 (USD MILLION)

TABLE 25 ENHANCED VISION SYSTEM MARKET SIZE, BY REGION, 2015-2021 (USD MILLION)

TABLE 26 NORTH AMERICA: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 27 NORTH AMERICA: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD MILLION)

TABLE 28 NORTH AMERICA: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 29 NORTH AMERICA: ENHANCED VISION SYSTEM MARKET SIZE, BY COUNTRY, 2014-2021 (USD MILLION)

TABLE 30 U.S.: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 31 U.S.: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD BILLION)

TABLE 32 U.S.: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 33 CANADA: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 34 CANADA: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD MILLION)

TABLE 35 CANADA: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 36 EUROPE: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 37 EUROPE: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD MILLION)

TABLE 38 EUROPE: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 39 EUROPE: ENHANCED VISION SYSTEM MARKET SIZE, BY COUNTRY, 2014-2021 (USD MILLION)

TABLE 40 U.K.: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 41 U.K.: ENHANCED VISION SYSTEM MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 42 U.K.: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 43 FRANCE: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 44 FRANCE: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD THOUSAND)

TABLE 45 FRANCE: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 46 GERMANY: ENHANCED VISION SYSTEM MARKET SIZE, BY

TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 47 GERMANY: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD THOUSAND)

TABLE 48 GERMANY: ENHANCED VISION SYSTEM SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 49 RUSSIA: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 50 RUSSIA: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD THOUSAND)

TABLE 51 RUSSIA: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 52 ASIA-PACIFIC: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 53 ASIA-PACIFIC: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD MILLION)

TABLE 54 ASIA-PACIFIC: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 55 ASIA-PACIFIC: ENHANCED VISION SYSTEM MARKET SIZE, BY COUNTRY, 2015-2021 (USD MILLION)

TABLE 56 CHINA: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 57 CHINA: ENHANCED VISION SYSTEM MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 58 CHINA: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 59 JAPAN: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 60 JAPAN: ENHANCED VISION SYSTEM MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 61 JAPAN: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 62 INDIA: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 63 INDIA: ENHANCED VISION SYSTEM MARKET SIZE, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 64 INDIA: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 65 REST OF THE WORLD: ENHANCED VISION SYSTEM MARKET, BY TECHNOLOGY, 2014-2021 (USD BILLION)

TABLE 66 REST OF THE WORLD: ENHANCED VISION SYSTEM MARKET, BY APPLICATION, 2014-2021 (USD MILLION)

TABLE 67 REST OF THE WORLD: ENHANCED VISION SYSTEM MARKET, BY PLATFORM, 2015-2021 (USD MILLION)

TABLE 68 REST OF THE WORLD: ENHANCED VISION SYSTEM MARKET, BY COUNTRY, 2014-2021 (USD MILLION)

TABLE 69 UAE: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD BILLION)

TABLE 70 UAE: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD MILLION)

TABLE 71 UAE: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 72 BRAZIL: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 73 BRAZIL: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD MILLION)

TABLE 74 BRAZIL: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 75 SOUTH AFRICA: ENHANCED VISION SYSTEM MARKET SIZE, BY TECHNOLOGY, 2014-2021 (USD MILLION)

TABLE 76 SOUTH AFRICA: ENHANCED VISION SYSTEM MARKET SIZE, BY COMPONENT, 2014-2021 (USD THOUSAND)

TABLE 77 SOUTH AFRICA: ENHANCED VISION SYSTEM MARKET SIZE, BY PLATFORM, 2014-2021 (USD MILLION)

TABLE 78 CONTRACTS, OCTOBER 2014 - OCTOBER 2016

TABLE 79 NEW PRODUCT LAUNCHES: OCTOBER 2013 - NOVEMBER 2015

TABLE 80 ACQUISITIONS: OCTOBER 2016

List Of Figures

LIST OF FIGURES

- FIGURE 1 ENHANCED VISION SYSTEM MARKET: MARKETS COVERED
- FIGURE 2 YEARS CONSIDERED FOR THE STUDY
- FIGURE 3 RESEARCH PROCESS FLOW
- FIGURE 4 RESEARCH DESIGN
- FIGURE 5 BREAKDOWN OF PRIMARY INTERVIEWS: BY COMPANY TYPE, DESIGNATION AND REGION
- FIGURE 6 BENEFITS OF ENHANCED VISION SYSTEM
- FIGURE 7 GLOBAL AIR PASSENGER GROWTH (%), 2005-2015
- FIGURE 8 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH
- FIGURE 9 MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH
- FIGURE 10 DATA TRIANGULATION
- FIGURE 11 ASSUMPTIONS OF THE RESEARCH STUDY
- FIGURE 12 ENHANCED VISION SYSTEM MARKET, BY REGION, 2016 & 2021 (USD MILLION)
- FIGURE 13 THE INFRARED SEGMENT LED THE ENHANCED VISION SYSTEM MARKET IN 2016
- FIGURE 14 ASIA-PACIFIC PROJECTED TO BE THE FASTEST-GROWING MARKET FOR ENHANCED VISION SYSTEM DURING THE FORECAST PERIOD
- FIGURE 15 CONTRACTS WAS THE KEY GROWTH STRATEGY ADOPTED BY TOP PLAYERS, OCTOBER 2014- OCTOBER 2016
- FIGURE 16 ATTRACTIVE MARKET OPPORTUNITIES IN THE ENHANCED VISION SYSTEMS MARKET
- FIGURE 17 THE INFRARED SEGMENT PROJECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD
- FIGURE 18 DISPLAYS SEGMENT PROJECTED TO BE THE LARGEST SEGMENT BY 2021
- FIGURE 19 ENHANCED VISION SYSTEMS MARKET IN ASIA-PACIFIC PROJECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD
- FIGURE 20 ENHANCED VISION SYSTEMS MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES & CHALLENGES
- FIGURE 21 GLOBAL TEMPERATURE RISE (°C), 1951-2010
- FIGURE 22 VALUE CHAIN: ENHANCED VISION SYSTEMS MARKET
- FIGURE 23 SUPPLY CHAIN: ENHANCED VISION SYSTEMS MARKET
- FIGURE 24 ADVANCEMENTS IN EXISTING TECHNOLOGIES
- FIGURE 25 PATENT REGISTRATION IN ENHANCED VISION SYSTEMS

FIGURE 26 INFRARED EXPECTED TO BE THE LARGEST SEGMENT OF THE ENHANCED VISION SYSTEM MARKET BY 2021

FIGURE 27 DISPLAYS SEGMENT PROJECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

FIGURE 28 FIXED WING SEGMENT PROJECTED TO GROW AT THE HIGHEST CAGR DURING THE FORECAST PERIOD

FIGURE 29 ENHANCED VISION SYSTEM MARKET: REGIONAL SNAPSHOT, 2016-2021

FIGURE 30 NORTH AMERICA: ENHANCED VISION SYSTEM MARKET SNAPSHOT (2016)

FIGURE 31 EUROPE: ENHANCED VISION SYSTEM MARKET SNAPSHOT (2016)

FIGURE 32 ASIA-PACIFIC: ENHANCED VISION SYSTEM MARKET SNAPSHOT (2016)

FIGURE 33 REST OF THE WORLD: ENHANCED VISION SYSTEM MARKET SNAPSHOT

FIGURE 34 COMPANIES ADOPTED CONTRACTS AS THE KEY GROWTH STRATEGY FROM OCTOBER 2013 TO OCTOBER 2016

FIGURE 35 MARKET RANK ANALYSIS, 2015

FIGURE 36 BRAND ANALYSIS: ENHANCED VISION SYSTEMS MARKET

FIGURE 37 ENHANCED VISION SYSTEMS MARKET WITNESSED SIGNIFICANT DEVELOPMENTS FROM OCTOBER 2013 TO OCTOBER 2016

FIGURE 38 CONTRACTS & AGREEMENTS IS THE MOST PREFERRED STRATEGY ADOPTED BY THE MARKET PLAYERS

FIGURE 39 REGIONAL REVENUE MIX OF TOP 5 MARKET PLAYERS (2015)

FIGURE 40 HONEYWELL INTERNATIONAL, INC.: COMPANY SNAPSHOT

FIGURE 41 HONEYWELL INTERNATIONAL, INC.: SWOT ANALYSIS

FIGURE 42 UNITED TECHNOLOGIES CORPORATION: COMPANY SNAPSHOT

FIGURE 43 UNITED TECHNOLOGIES CORPORATION: SWOT ANALYSIS

FIGURE 44 L-3 COMMUNICATIONS HOLDINGS, INC.: COMPANY SNAPSHOT

FIGURE 45 L-3 COMMUNICATIONS HOLDINGS, INC.: SWOT ANALYSIS

FIGURE 46 THALES GROUP: COMPANY SNAPSHOT

FIGURE 47 THALES GROUP: SWOT ANALYSIS

FIGURE 48 ELBIT SYSTEMS LTD.: COMPANY SNAPSHOT

FIGURE 49 ELBIT SYSTEMS LTD.: SWOT ANALYSIS

FIGURE 50 ROCKWELL COLLINS, INC.: COMPANY SNAPSHOT

FIGURE 51 ROCKWELL COLLINS, INC.: SWOT ANALYSIS

FIGURE 52 ESTERLINE TECHNOLOGIES CORPORATION: COMPANY SNAPSHOT

FIGURE 53 ESTERLINE TECHNOLOGIES CORPORATION: SWOT ANALYSIS

FIGURE 54 ASTRONICS CORPORATION: COMPANY SNAPSHOT

FIGURE 55 ASTRONICS CORPORATION: SWOT ANALYSIS

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