

# GLOBAL ADAPTIVE OPTICS MARKET FORECAST 2017-2025

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## Abstracts

### KEY FINDINGS

The Global Adaptive Optics market was valued at \$ 220 million in 2016 and is expected to collect \$4534 million by the end of the forecast period of 2017-2025, at a CAGR of 40.13%. The market growth is mainly propelled by factors like rising demand for telemetry infrastructure, heavy investment in defense, rising awareness regarding security and the various advancements in satellite-based earth observation (EO) images.

### MARKET INSIGHTS

The Global Adaptive Optics market is segmented on the basis of applications and components. The applications are utilized in biomedical, military and defense, and other sectors. The components segment includes control systems, wavefront modulators, and wavefront sensors. Factors like increase in the clinical potential of these applications and the widespread use of AO in retinal imaging are presenting the market with amazing growth opportunities. However, uncertain global economic conditions, the financial crisis in several countries and the extended lifespan of fiber lasers might act as restraining factors for the market growth.

### REGIONAL INSIGHTS

The Global Adaptive Optics market is geographically segmented into North America, Europe, Asia-Pacific and the rest of world. The Asia-Pacific market is forecasted to exhibit the highest growth in the global market. Japan contributed significantly to the Asian market in the year 2015, due to widespread integration of the technology in

optical imaging, laser precision engineering, and biomedical imaging. However, it is the North American region that is predicted to dominate the global market by the end of the forecast period, with countries like U.S, Canada, Brazil, and Mexico being the major contributors. These markets are fairly advanced in terms of infrastructure and are extensively implementing various space programs

## **COMPETITIVE INSIGHTS**

Some of the established players in this market are Adaptica S.R.L, Active Optical Systems Llc, Baker Adaptive Optics, Flexible Optical B.V, Boston Micromachines Corporation, Imagine Optic Sa, Northrop Grumman Corporation, Iris Ao Inc, Phasics Corp, Thorlabs, Inc and Teledyne E2v (Uk) Ltd.

## Contents

### **1. RESEARCH SCOPE**

- 1.1. STUDY GOALS
- 1.2. SCOPE OF THE MARKET STUDY
- 1.3. WHO WILL FIND THIS REPORT USEFUL?
- 1.4. STUDY AND FORECASTING YEARS

### **2. RESEARCH METHODOLOGY**

- 2.1. SOURCES OF DATA
  - 2.1.1. SECONDARY DATA
  - 2.1.2. PRIMARY DATA
- 2.2. TOP DOWN APPROACH
- 2.3. BOTTOM-UP APPROACH
- 2.4. DATA TRIANGULATION

### **3. EXECUTIVE SUMMARY**

- 3.1. MARKET SUMMARY
- 3.2. KEY FINDINGS
  - 3.2.1. MILITARY AND DEFENSE APPLICATION HOLDS THE LARGEST MARKET SHARE
  - 3.2.2. WAVEFRONT SENSOR COMPONENT IS GROWING SIGNIFICANTLY
  - 3.2.3. NORTH AMERICA HOLDS THE LARGEST SHARE

### **4. MARKET DETERMINANTS**

- 4.1. MARKET DRIVERS
  - 4.1.1. HUGE INVESTMENT IN DEFENCES
  - 4.1.2. GROWING SECURITY CONSCIOUSNESS
  - 4.1.3. DEVELOPMENTS IN SATELLITE-BASED EARTH OBSERVATION (EO) IMAGES
  - 4.1.4. RISE IN DEMAND FOR TELEMETRY INFRASTRUCTURE
- 4.2. RESTRAINS
  - 4.2.1. AO SYSTEM MODELING REQUIRES INTENSIVE COMPUTATIONS
  - 4.2.2. DIFFICULTY IN NON COMMON PATH ABERRATIONS (NCPA)
- 4.3. OPPORTUNITIES

- 4.3.1. INCREASE IN CLINICAL POTENTIAL
- 4.3.2. WIDE USE OF AO IN RETINAL IMAGING
- 4.4. MARKET CHALLENGES
  - 4.4.1. AMBIGUOUS WORLDWIDE ECONOMIC CONDITIONS AND FINANCIAL CRISES
  - 4.4.2. EXTENSIVE LIFE SPAN OF FIBER LASERS
  - 4.4.3. FOREIGN EXCHANGE RATES VOLATILITY

## **5. MARKET SEGMENTATION**

- 5.1. MARKET BY APPLICATION 2017-2025
  - 5.1.1. MILITARY AND DEFENSE
  - 5.1.2. BIOMEDICAL
  - 5.1.3. OTHER APPLICATIONS
- 5.2. MARKET BY COMPONENTS 2017-2025
  - 5.2.1. WAVEFRONT SENSOR
  - 5.2.2. WAVEFRONT MODULATOR
  - 5.2.3. CONTROL SYSTEM

## **6. KEY ANALYTICS**

- 6.1. PORTER'S FIVE FORCES ANALYSIS
  - 6.1.1. THREAT OF NEW ENTRANTS
  - 6.1.2. THREAT OF SUBSTITUTES
  - 6.1.3. BARGAINING POWER OF BUYERS
  - 6.1.4. BARGAINING POWER OF SUPPLIERS
  - 6.1.5. THREAT OF RIVALRY
- 6.2. OPPORTUNITY MATRIX
- 6.3. VENDOR LANDSCAPE

## **7. GEOGRAPHICAL SEGMENTATION**

- 7.1. NORTH AMERICA
  - 7.1.1. THE UNITED STATES
  - 7.1.2. CANADA
- 7.2. EUROPE
  - 7.2.1. GERMANY
  - 7.2.2. UNITED KINGDOM
  - 7.2.3. FRANCE

- 7.2.4. SPAIN
- 7.2.5. ITALY
- 7.2.6. REST OF EUROPE
- 7.3. ASIA PACIFIC
  - 7.3.1. CHINA
  - 7.3.2. INDIA
  - 7.3.3. SOUTH KOREA
  - 7.3.4. JAPAN
  - 7.3.5. AUSTRALIA
  - 7.3.6. REST OF APAC
- 7.4. REST OF WORLD
  - 7.4.1. MIDDLE EAST AND NORTH AFRICA
  - 7.4.2. LATIN AMERICA
  - 7.4.3. REST OF AFRICA

## **8. COMPANY PROFILES**

- 8.1. ACTIVE OPTICAL SYSTEMS, LLC
- 8.2. ADAPTICA S.R.L.
- 8.3. BAKER ADAPTIVE OPTICS
- 8.4. BOSTON MICROMACHINES CORPORATION
- 8.5. FLEXIBLE OPTICAL B.V.
- 8.6. IMAGINE OPTIC SA
- 8.7. IRIS AO, INC.
- 8.8. NORTHROP GRUMMAN CORPORATION
- 8.9. PHASICS CORP.
- 8.10. TELEDYNE E2V (UK) LTD
- 8.11. THORLABS, INC.

## **TABLE LIST**

TABLE 1 GLOBAL ADAPTIVE OPTICS MARKET, BY GEOGRAPHY 2017-2025 (\$ MILLION)

TABLE 2 INCREASE IN THE DEFENCE BUDGET OF VARIOUS COUNTRIES 2015-2016 (%)

TABLE 3 COMPARISON OF HIGH-PERFORMANCE FIBRES

TABLE 4 GLOBAL ADAPTIVE OPTICS MARKET, BY APPLICATION 2017-2025 (\$ MILLION)

TABLE 5 GLOBAL ADAPTIVE OPTICS MARKET, BY COMPONENT 2017-2025 (\$

MILLION)

TABLE 6 FEATURES OF SENSORS AND SURVEILLANCE SYSTEMS

TABLE 7 GLOBAL ADAPTIVE OPTICS MARKET, BY GEOGRAPHY 2017-2025 (\$ MILLION)

TABLE 8 NORTH AMERICA ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)

TABLE 9 EUROPE ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)

TABLE 10 ASIA PACIFIC ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)

TABLE 11 REST OF WORLD ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)

## Figures

### FIGURES LIST

- FIGURE 1 GLOBAL ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 2 SET UP OF ADAPTIVE OPTICS
- FIGURE 3 PERCENTAGE OF GDP TOWARDS DEFENCE SPENDING, 2006-15
- FIGURE 4 GLOBAL ADAPTIVE OPTICS MARKET IN MILITARY AND DEFENSE 2017-2025 (\$ MILLION)
- FIGURE 5 DEFENCE SPENDING BY TOP NATIONS, 2015 (\$ BILLION)
- FIGURE 6 GLOBAL ADAPTIVE OPTICS MARKET IN BIOMEDICAL 2017-2025 (\$ MILLION)
- FIGURE 7 GLOBAL ADAPTIVE OPTICS MARKET IN OTHER APPLICATIONS 2017-2025 (\$ MILLION)
- FIGURE 8 GLOBAL ADAPTIVE OPTICS MARKET IN WAVEFRONT SENSOR 2017-2025 (\$ MILLION)
- FIGURE 9 GLOBAL ADAPTIVE OPTICS MARKET IN WAVEFRONT MODULATOR 2017-2025 (\$ MILLION)
- FIGURE 10 GLOBAL ADAPTIVE OPTICS MARKET IN CONTROL SYSTEM 2017-2025 (\$ MILLION)
- FIGURE 11 NORTH AMERICA ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 12 THE UNITED STATES ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 13 CANADA ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 14 EUROPE ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 15 GERMANY ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 16 THE UNITED KINGDOM ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 17 FRANCE ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 18 SPAIN ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 19 ITALY ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 20 REST OF EUROPE ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 21 ASIA PACIFIC ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 22 CHINA ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 23 INDIA ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 24 SOUTH KOREA ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 25 JAPAN ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 26 AUSTRALIA ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)
- FIGURE 27 REST OF APAC ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)

FIGURE 28 REST OF WORLD ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)

FIGURE 29 MIDDLE EAST AND NORTH AFRICA ADAPTIVE OPTICS MARKET  
2017-2025 (\$ MILLION)

FIGURE 30 LATIN AMERICA ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)

FIGURE 31 REST OF AFRICA ADAPTIVE OPTICS MARKET 2017-2025 (\$ MILLION)

## **COMPANIES MENTIONED**

1. ACTIVE OPTICAL SYSTEMS, LLC
2. ADAPTICA S.R.L.
3. BAKER ADAPTIVE OPTICS
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