

Global Bio-Electronics Market by Country (United States, Canada, India, China, Japan, United Kingdom), Company Profiles, Share, Trends, Analysis, Size, Opportunities, Segmentation and Forecast 2015 – 2021

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Abstracts

Bioelectronics helps to create and evaluate new technologies which improve understanding of biological systems, increasing efficiency and effectiveness of the medical community. Bioelectronics uses a number of methods, ideas, and techniques, such as bioelectromagnetics, instrumentation, neural networks, robotics, and sensor technologies. This synergy between electronics and biology has resulted in a positive impact of electronic technologies to system, cell, and molecular biology. Experts expect the technologies to have far reaching effects such as vision restoration, reversing the effects of spinal cord injury, medical diagnoses without clinics, etc.

The drivers to bio-electronics industry include the overwhelming need of the healthcare industry. These include prevention of diseases such as neural degeneration, cancer, etc., detection of diseases, personalized medical diagnostics and monitoring among others. Applications such as personalized medical diagnostics and monitoring especially present near-term application opportunities. Other drivers include implantable medical devices and prosthetics, which have seen a lot of research to develop reliable and robust implantable devices. Medical imaging either requires high-resolution imaging or portable and affordable imaging systems and these can be met with innovations from the bio-electronics industry.

Capability & Market Analysis

Currently Europe is making a huge impact in the industry with most of the research and

innovations coming from there followed by Asia and the United States. Industry experts estimate that United States is likely to register the highest growth in terms of contribution due to the high instances of research and investment in biomedicine and semiconductors in the country. Currently, biomedical and life sciences applications have the largest market share among applications followed by environmental monitoring and remediation applications.

Companies profiled include

1. Bioelectronics Corporation
2. Avago
3. Honeywell International
4. Danaher Corporations
5. Omnivision Technologies
6. Sensirion
7. Medtronics
8. BodyMedia
9. Sotera Wireless
10. Siemens AG
11. Roche
12. Universal Biosensors
13. Abbott
14. Beckman Coulter
15. Life Sensors

This Occams Research Report covers

1. Historical data
2. Revenue forecasts, growth rates and CAGR upto 2021
3. Industry Analysis
4. Competitive Analysis
5. Key geographic growth data
6. Deep profiles top competitive companies

Contents

1. INTRODUCTION

- 1.1. Executive Summary
- 1.2. Estimation Methodology

2. MARKET OVERVIEW

- 2.1. Key findings
- 2.2. Value Chain analysis
- 2.3. Key buying criteria
- 2.4. Market determinants
 - 2.4.1. Market drivers
 - 2.4.2. Market restraints
 - 2.4.3. Market challenges
 - 2.4.4. Market opportunities
- 2.5. Strategic recommendation
- 2.6. Strategic conclusions
- 2.7. Unit shipment in Bioelectronics market
- 2.8. Forecasted trends and emerging markets

3. MARKET SEGMENTATION

- 3.1. Key components and technologies in bioelectronics
 - 3.1.1. Bio Sensors
 - 3.1.2. Optical Sensors
 - 3.1.3. CMOS Platform (Semiconductor Platform)
- 3.2. By Applications
 - 3.2.1. Biochips
 - 3.2.1.1. DNA MICROARRAYS
 - 3.2.1.2. LAB-ON-A-CHIP
 - 3.2.2. Implantable Medical Devices
 - 3.2.2.1. CARDIAC RHYTHM MANAGEMENT DEVICES
 - 3.2.2.2. EAR IMPLANTS
 - 3.2.2.3. BRAIN IMPLANTS
 - 3.2.2.4. GASTRIC IMPLANTS
 - 3.2.2.5. OTHERS
 - 3.2.3. Prosthetic Devices

- 3.2.3.1. ARM
- 3.2.3.2. FOOT
- 3.2.4. Artificial Organs/Bionic Organs
 - 3.2.4.1. BIONIC FINGER
 - 3.2.4.2. HEART BIONICS AND ARTIFICIAL HEART
 - 3.2.4.3. NEURAL/BRAIN BIONICS
- 3.2.2. BIONIC NOSE
 - 3.2.4.4. OTHERS
- 3.2.5. Electronic Pills

4. SECTOR ANALYSIS

5. KEY COMPANY AND STRATEGIC ANALYSIS

- 5.1. Market Share
- 5.2. Market Strategies

6. GEOGRAPHICAL ANALYSIS

- 6.1. North America
 - 6.1.1. United States
 - 6.1.2. Canada
 - 6.1.3. RoNA
- 6.2. Europe
 - 6.2.1. United Kingdom
 - 6.2.2. France
 - 6.2.3. Germany
 - 6.2.4. Spain
 - 6.2.5. Italy
- 6.3. Asia Pacific
 - 6.3.1. China
 - 6.3.2. Japan
 - 6.3.3. India
 - 6.3.4. South Korea
 - 6.3.5. Australia
 - 6.3.6. RoA
- 6.4. Rest of the world
 - 6.4.1. Latin America
 - 6.4.2. MENA

6.4.3. Africa

7. COMPANY PROFILING

7.1.1. Bioelectronics Corporation

7.1.2. Avago

7.1.3. Honeywell International

7.1.4. Danaher Corporations

7.1.5. Omnivision Technologies

7.1.6. Sensirion

7.1.7. Medtronics

7.1.8. BodyMedia

7.1.9. Sotera Wireless

7.1.10. Siemens AG

7.1.11. Roche

7.1.12. Universal Biosensors

7.1.13. Abbott

7.1.14. Beckman Coulter

7.1.15. Life Sensors

List Of Tables

LIST OF TABLES

1. Global Bioelectronics market by region, 2013-2021 (in \$million)
2. Global Bioelectronics market by application, 2013-2021 (in \$million)
3. Global Major Medical Self-Monitoring Applications of Bioelectronics 2013-2021 (in \$million)
4. Global MRI Medical imaging sensors market, by Geography, 2013-2021 (in \$million)
5. Global Bioelectronics market by type 2013-2021 (in \$million)
6. Trends in sales of critical care patient monitoring devices in US, 2013-2021 (in \$million)
7. North American Bioelectronics market, by country, 2013-2021 (in \$million)
8. Europe Bioelectronics market, by country, 2013-2021 (in \$million)
9. APAC Bioelectronics market, by country, 2013-2021 (in \$million)

List Of Figures

LIST OF FIGURES

1. Market share Bioelectronics market, 2013-2021
2. Research design
3. Key buying criteria
4. Value chain analysis
5. US in biosensors market, 2013-2021 (in \$million)
6. Europe biosensors market, 2013-2021 (in \$million)
7. China biosensors market, 2013-2021 (in \$million)
8. India biosensors market, 2013-2021 (in \$million)
9. Japan biosensors market, 2013-2021 (in \$million)
10. Australia biosensors market, 2013-2021 (in \$million)
11. South Korea biosensors market, 2013-2021 (in \$million)
12. UK biosensors market, 2013-2021 (in \$million)
13. Italy biosensors market, 2013-2021 (in \$million)
14. France biosensors market, 2013-2021 (in \$million)
15. Germany biosensors market, 2013-2021 (in \$million)
16. Spain biosensors market, 2013-2021 (in \$million)
17. Latin America biosensors market, 2013-2021 (in \$million)
18. MENA biosensors market, 2013-2021 (in \$million)
19. Africa biosensors market, 2013-2021 (in \$million)

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