

Global Bio-Electronics Market Insights, Opportunity Analysis, Market Shares and Forecast 2016 – 2022

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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 2022
3. Industry Analysis
4. Competitive Analysis
5. Key geographic growth data
6. Deep profiles top competitive companies

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